



Exam : 070-526

**Title : Microsoft .NET Framework 2.0 -
Windows-Based Client
Development**

Ver : 09.24.07

QUESTION 1

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS001 as developing collateral. You have received instructions to make sure that the PictureBox control's properties cannot be changed with a logo that you have added to the PictureBox in the designer of the form base. Before the time you have added a form to the Microsoft Windows Forms Control Library project and add a PictureBox control to the form. The form is presenting CertKiller.com's logo.
What action should you take?

- A. You should set the Locked property to False.
- B. You should set the Locked property to True.
- C. You should set the Modifiers property to Private.
- D. You should set the Modifiers property to Protected.

Answer: C

Explanation: When you set the Modifiers property to Private, the value will show that only the base form can modify the control.

Incorrect Answers:

- A: You should not set it to False, because the control can be moved and resized.
- B: If you set the property to True the control cannot be removed or resized. .
- D: If you set the Modifiers property to Protected, the value will show that the base form and any of the form yet to come can modify the control.

QUESTION 2

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS005 as developing collateral. You have just included a DateTimePicker control to a form. You then set the format property to Time. During the course of the day, you check how the DateTimePicker control is working, and learnt that it does not allow the Certkiller .com users to change the selected time.
What should you do to change the control so that it will allow the Certkiller .com users to change the selected time?

- A. You should set the ShowUpDown property to True.
- B. You should set the ShowSelectBox property to True.
- C. You should set the Visible property to False.
- D. You should set the Checked property to False.

Answer: A

Explanation: The ShowUpDown property is by default set on False. You should set it on True. On False it will show the DateTimePicker must simulate a drop-down control. This setting will allow the users to set the MonthCalendar. If it is set to True the users can select the time.

Incorrect Answers:

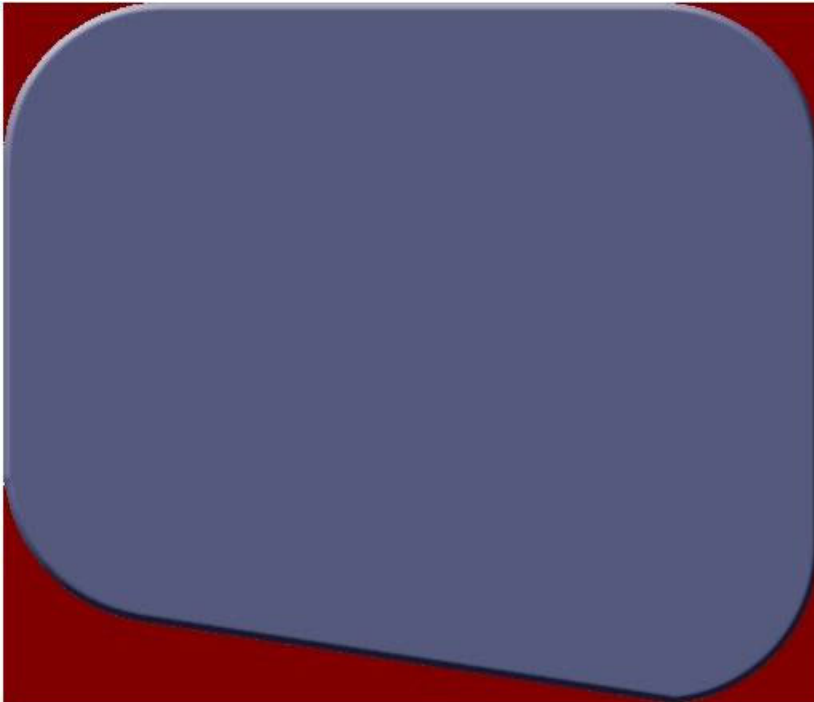
B: The ShowSelectBox will not resolve the problem. This will show if a CheckBox should be displayed on the DateTimePicker.

C: If you set the Visible property to False, it will hide the DateTimePicker. .

D: You should not set the Checked property to False. If this is set on True, a CheckBox control will be displayed on the DateTimePicker.

QUESTION 3

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS001 as developing collateral. The manager of Certkiller .com wants to have a borderless form with the background shown in the exhibit.



When the form is view, the manager named Rory Allen does not want the maroon area to be visible. He only wants the blue to be visible when the form is displayed. Which of the following code segments should be used?

A. `this.TransparencyKey = Color.Maroon;`

- B. `this.BackColor = Color.Maroon;`
- C. `this.TransparencyKey = Color.CornflowerBlue`
- D. `this.BackColor = Color.Transparent;`

Answer: A

Explanation: The `TransparencyKey = Color.Maroon` specify the color that the transparent represents the area on the form. With this setting the blue will respond to the mouse.

Incorrect Answers:

B: You should not use the `BackColor = Color.Maroon`. This will determine the background color of the form.

C: You should not use this code segment. The manager does not want the blue area to be transparent.

D: You should not use the `BackColor = Color.Transparent`. The manager does not want the background to be transparent.

QUESTION 4

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com.

Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS020 as developing collateral.

You have configured three columns to a form and add a `TableLayoutPanel` to the form. You want the two side columns to have a fix width of 200 pixels each and anchor the four edges of the form to the control. A Certkiller .com manager wants the center column to fill the remaining space, when ever the form is resized. You need to change the `ColumnStyle` instance that represents the center column?

How should you set the `ColumnStyle` instance's `Size Type` property?

- A. Set it to `AutoSize` and the `Width` property to 100F.
- B. Set it to `Absolute` and the `Width` property to 100F.
- C. Set it to `Percent` and the `Width` property to 100F.
- D. Set it to `AutoSize` and the `Width` property to 0F.

Answer: C

Explanation: This setting will show that the column should fill the remaining space.

Incorrect Answers:

A: This setting will allow the column to be sized enough so that not any of its child controls are clipped. In this setting the middle will not occupy the remaining free space.

B: If you set it to `Absolute`, the value of the `Width` property will show the number of pixels for the column.

D: You need to set the `ColumnStyle` instance's `Size Type` property to `AutoSize` and the `Width` property to 100F.

QUESTION 5

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS020 as developing collateral. You have added a SplitContainer control named Certkiller SplitContainer to a form. You then left the control to the default properties. To the right-most container of the SplitContainer control, you need to add a PropertyGrid.

Which of the following code segments should you use?

- A. `PropertyGrid propertyGrid = new PropertyGrid[];`
`Panel rightPanel = [Panel] Certkiller SplitContainer.GetContainerControl[];`
`rightPanel.ControlAdd[porpertyGrid];`
- B. `PropertyGrid propertyGrid = new PropertyGrid[];`
`Panel rightPanel = [Panel] Certkiller SplitContainer.GetNextControl[propertyGrid, true];`
`rightPanel.ControlAdd[porpertyGrid];`
- C. `PropertyGrid propertyGrid = new PropertyGrid[];`
`Certkiller SplitContainer.Container.Add[propertyGrid, "RightPanel"];`
- D. `PropertyGrid propertyGrid = new PropertyGrid[];`
`Certkiller SplitContainer.Panel2.Control.Add[propertyGrid];`

Answer: D

Explanation: An area can be divided into two containers, which is separated by a movable bar, if you use the SplitContainer control. When the two Panels are created, the left one is the Panel1 and the right is Panel2. You are adding a panel so it will be on the right. You then need to specify Panel2.

Incorrect Answers:

A, B, C: You should not use the Add method of the SplitContainer.Container to add the PropertyGrid. You also should not pass a PropertyGrid instance to the GetNextControl method to return a Panel instance. This will actually retrieve the next tab-ordered control given the current control. You also should not call the GetContainerControl method to return a Panel instance. This will return the logical container of the SplitContainer control.

QUESTION 6

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS020 as developing collateral. You are busy to develop a Microsoft Windows Forms exam delivery application. This is going to be used to access the content of the exam via the Internet. A WebBrowser named testbrowser is added to the control to a form named Certkiller Form, which is define as follows:

```
[PermissionSet[SecurityAction.Demand, Name="FullTrust"]]  
[System.Runtime.InteropServices.ComVisible[true]]  
public Certkiller Form : Form  
{  
    public Certkiller Form[]  
    {  
        InitializeComponent();  
    }  
    public void Expire[]  
    {  
    }  
}
```

The JavaScript-based timer that is used by the Web site for the exam has a function to inform the exam delivery application when the time has expired for the exam, which is the following:

```
window.external.Expire[];
```

What should you do to make sure that the Expire method of Certkiller Form is called when the JavaScript function is carry out?

- A. You should set the Document.DomDocument property of the browser instance to the current instance of the Certkiller Form class.
- B. You should set the ObjectForScripting property of the browser instance to the current instance of the Certkiller Form class.
- C. You should call the AttachEventHandler of the Document property of the browser instance.
- D. You should call the ExecCommand method of the Document property of the browser instance.

Answer: B

Explanation: You must set the ObjectForScripting for the browser instance to the current instance of the Certkiller Form class.

Incorrect Answers:

- A: The property of the Document.DomDocument represents the true DOM object of an HTML document.
- C: The AttachEventHandler allows you to attach a HTML Document Object Model event to an event handler.
- D: The ExecCommand method allows you to execute commands against DOM documents.

QUESTION 7

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS003 as developing collateral. You have

received instructions to make sure that the PictureBox will display dynamically loaded images.

Which property will display a static image if any dynamic image fails to load?

- A. BackgroundImage
- B. Image
- C. ErrorImage
- D. InitailImage

Answer: C

Explanation: The ErrorImage property specifies the image that should be displayed. This will happened only if the image that you are trying to load dynamically fails.

Incorrect Answers:

A: The BackgroundImage property specifies a background image which is used by the control.

B: The Image property specifies the image you want the PictureBox control to display.

D: The InitailImage specifies the image you want the PictureBox control to display while the other one is loading.

QUESTION 8

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS020 as developing collateral. You are developing a Web service for new updates to query automatically, by use of a Microsoft Windows Forms application. You then add a NotifyIcon component named Certkiller notify to the application's main form. Whenever a new update is available you want the following balloon tip to display as seen in the exhibit for 5 seconds.



Which segment should you use to write a code to download the updates if the users click the balloon tip?

A. Certkiller notify.BallonTipClick +=delegate
{
// Download the updates
}

Certkiller notify.ShowBallonTip[5000, "New Update Available"; "Click here to download"
, ToolTipIcon.Info];

B. Certkiller notify.ShowBallonTip[5];


```
Certkiller notify.BalloonTipIcon = ToolTipIcon.Info;
Certkiller .Balloon TipTitle = "New Update Available";
Certkiller .BalloonTipText = "Click here to download";
Certkiller .Click += delegate
{
// Download the updates
}
C. Certkiller notify.BalloonTipIcon = ToolTipIcon.Info;
Certkiller .Balloon TipTitle = "New Update Available";
Certkiller .BalloonTipText = "Click here to download";
Certkiller .Click += delegate
{
// Download the updates
}
Certkiller notify.ShowBallonTip[5000];
D. Certkiller notify.ShowBallonTip[5, New Update Available", "Click here to download",
ToolTipIcon.Info];
Certkiller .BalloonTipClick += delegate
{
// Download the updates
}
```

Answer: A

Explanation: You should use an event handler, attach the BalloonTipClicked to the event and call the ShowBalloon Tip method of the NotifyIcon class. When a user clicks a balloon tip, a BalloonTipClicked event is raised.

Incorrect Answers:

B, C, D: You should not attach the BalloonTipClicked even to an event handler after you have called the ShowBalloonTip method. Also note that the event is raised when the icon is clicked and not the balloon tip.

QUESTION 9

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS020 as developing collateral. You are busy adding a MenuStrip control, which has an instance of a ToolStripMenu item named testjobItem, to a form in a Microsoft Windows Forms application. This item's display text is Job. You have received instructions to add two menu items to the Job menu item. The first item's display text should be Create New Job, and the second one is Run Job.

Which code segment should you use to programmatically add the two menu items?

A. ToolStripMenuItem createNewJobItem = new ToolStripMenuItem["Create New


```
Job"];
ToolStripMenuItem runJobItem = new ToolStripMenuItem("Run Job");
jobItem.Container.Add[createNewJobItem];
jobItem.Container.Add[runJobItem];
B. ToolStripMenuItem createNewJobItem = new ToolStripMenuItem("Create New
Job");
ToolStripMenuItem runJobItem = new ToolStripMenuItem("Run Job");
jobItem.Owner.Items.Add[createNewJobItem];
jobItem.Owner.Items.Add[runJobItem];
C. ToolStripMenuItem createNewJobItem = new ToolStripMenuItem("Create New
Job");
ToolStripMenuItem runJobItem = new ToolStripMenuItem("Run Job");
ToolStripMenuItem[] items = new ToolStripMenuItem[]{create NewJobItem,
runJobItem}
jobItem.DropDownItems.AddRange[items];
D. ToolStripMenuItem createNewJobItem = new ToolStripMenuItem("Create New
Job");
ToolStripMenuItem runJobItem = new ToolStripMenuItem("Run Job");
ToolStripMenuItem[] items = new ToolStripMenuItem[]{create NewJobItem,
runJobItem}
jobItem.Owner.Items.AddRange[items];
```

Answer: C

Explanation: For the jobItem instance you should call the AddRange. The property of the DropDownItems represents a collection of child items of the jobItem instance, which allows you to add the two items to the job menu item.

Incorrect Answers:

A: This property returns an instance of IContainer, which represents a logical container for other components.

B: The Owner property returns the Menu script instance that owns the ToolStripMenuItem instance.

D: This action will add the two new menu at the same level as the Job menu item.

QUESTION 10

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS050 as developing collateral. You were busy with a task to add a ContextMenuStrip control to a form.

What should you do to display a custom control as a menu item of the ContextMenuStrip control?

A. Add a ToolStripContainer control to the form and add the custom control to the Controls collection residing on the toolStripContainer control. You should then add the

ContextMenuStrip control to the controls of the ToolStripContainer control.

B. Of ToolStripControlHost, create an instance and specify your custom control instance as a parameter to the constructor. You should then add the ToolStripControlHost instance to the Items collection of the ContextMenuStrip control.

C. Add a ToolStripContainer control to the form and add the custom control to the Controls collection residing on the ToolStripContainer control. You should then add the ToolStripContainer control to the controls of the ContextMenuStrip controls.

D. Of ToolStripControlHost, create an instance and specify your custom control instance as a parameter to the constructor. You should then add the ContextMenuStrip controls to the collection of the ToolStripControlHost instance.

Answer: B

Explanation: The ToolStripControlHost class is used to host a custom control as a menu item in the ContextMenuStrip. You should also pass the custom control instance as the parameter to the constructor.

Incorrect Answers:

A, C, D: The ToolStripContainer should not be used to reach your goal. Furthermore, you cannot host a ToolStripContainer control as the menu item in a ContextMenuStrip controls.

QUESTION 11

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com.

Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS007 as developing collateral. You are busy adding a WebBrowser control named, Certkiller browser to a form in a Microsoft Windows Form application. To control the navigation of the documents, you add Button controls and a TextBox control to the form, just in case a HTML document needs to be programmatically parse through the content.

Which code segment should be used to create an event handler?

A. browser.Navigated += delegate

```
{  
    HtmlDocument document = browser.Document;  
    //Parse the document  
}
```

B. browser.FileDownload += delegate

```
{  
    HtmlDocument document = browser.Document;  
    //Parse the document  
}
```

C. browser.DocumentCompleted += delegate

```
{  
    HtmlDocument document = browser.Document;
```

```
//Parse the document
}  
D. browser.Navigating += delegate  
{  
HtmlDocument document = browser.Document;  
//Parse the document  
}
```

Answer: B

Explanation: For the DocumentComplete event, you should create an event handler. When a document is complete in the WebBrowser control, a DocumentComplete will be raised.

Incorrect Answers:

A: A Navigated for the event handler will raise after the WebBrowser control has begun with the downloading of the HTML document.

C: You should not create an event handler for the FileDownload event. This will raise when the WebBrowser downloads a file.

D: This will result in the event raise after the WebBrowser control navigates to an HTML document.

QUESTION 12

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS100 as developing collateral. A Certkiller .com manager named Andy Booth has asked you to develop a custom control that exposes a custom event. The custom event should be of such a caliber that the event handler for the event is automatically added to the code when you double-click the control in the designer.

How should you configure the control?

A. Apply the DefaultEvent attribute the class that presents the custom control and specify the name of the event as a parameter to the attribute.

B. Override the OnDubbleClick method on the Control class and call the AddEventHandler method of the EventDescriptor class.

C. Override the OnDubbleClick method on the Control class and call the AddEventHandler method of the EventInfo class.

D. Apply the DefaultEvent attribute the class that presents the custom control and specify the name of the event handler method as a parameter to the attribute.

Answer: A

Explanation: The DefaultEvent attribute specifies the name of the event for which an event handler should be created, when double-clicking the control in the

designer.

Incorrect Answers:

B: You should not do this. This allows you to programmatically attach each event handler to an event, discovered via reflection.

C: Doing this, will allow you to programmatically attach each event handler to an event, discovered via reflection. You then cannot use this to generate a code for the event.

D: This specifies the name of the event as a parameter.

QUESTION 13

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com.

Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS133 as developing collateral. A Certkiller .com manager named Andy Booth has asked you to create a custom control. You want to custom control to take action when a user presses the Alt+D keys. It must be of such a nature that it allows you to prevent other control from receiving instructions that the Alt+D keys are pressed.

What should you do?

A. Handle the KeyDown event.

B. Override the OnKeyDown method.

C. Override the OnKeyPress method.

D. Handle the KeyPress event.

Answer: B

Explanation: The OnKeyDown method specifies a KeyEventArgs instance as a parameter. The KeyEventArgs class also contains a Modifier keys that were pressed.

Incorrect Answers:

A: This will stop other controls from getting instructions that the Alt+D keys were pressed.

C: The OnKeyPress is invoked when you press a key. Overriding the OnKeyPress will not allow you to find the combination of the modifier keys that was pressed.

D: The KeyPress event is raised when a key is pressed. This will not allow you to find the combination of the modifier keys that was pressed.

QUESTION 14

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com.

Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS133 as developing collateral. You are busy developing a Microsoft Windows Forms application. The application will be shrink-wrapped and sold to end users. The application is specified so that if a user

installs it, it will use the user's display preferences to create Help images for each form in the application.

Which of the following code segments should you use to allow the application to update the image if a user changes system colors? (Select two)

A. SystemColorsChanged += delegate

```
{  
//Update the Help images  
}
```

B. SystemEvents.UserPreferenceChanged += delegate[object sender, UserPreferenceChangedEventArgs e]

```
{  
if [e.Category == UserPreferenceCategory.Color]  
{  
SystemColorsChanged += delegate  
{  
//Update the Help images  
}  
}  
}
```

C. SystemEvents.UserPreferenceChanged += delegate[object sender, UserPreferenceChangedEventArgs e]

```
{  
if [e.Category == UserPreferenceCategory.Color]  
{  
//Update the Help images  
}  
}
```

D. SystemEvents.UserPreferenceChanged += delegate

```
{  
//Update the Help images  
}
```

Answer: A, C

Explanation: When a preference is changed, the common language runtime raises the UserPreferenceChanged event. And even the handler should be attached to the event and update the Help images if the Category property is set to color.

Incorrect Answers:

B, D: It is not necessary to update the Help images when the UserPreferenceChanged event is raised. When the UserPreferenceChanged event is raised, you should not handle the SystemColorChange and update the Help images.

QUESTION 15

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com.

Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS001 as developing collateral. You are busy adding a TextBox control named Certkiller TextBox to a form. You are doing this by dragging a Contact field from the Data Sources window to the form. The data of the Text properties of the Certkiller TextBox is part of the Contact field. To navigate the records in a data source, you added two Button controls to the form. Which code segment should you use to programmatically move the next record and display the new value of the Certkiller TextBox's Contact field when the Certkiller .com users click one of the Button controls?

- A. Binding binding = Certkiller TextBox.DataBindings["Text"];
binding.BindingManagerBase.Position += 1;
- B. Binding binding = Certkiller TextBox.DataBindings["Contact"];
binding.BindingManagerBase.Position += 1;
- C. Certkiller TextBox.BindingContext["Text"].Position += 1;
- D. Certkiller TextBox.BindingContext["Contact"].Position += 1;

Answer: A

Explanation: The Windows Forms control has a DataBindings property that represents a collection of Binding instances. When data source members change, the Binding class allows a control's property to be updated automatically.

Incorrect Answers:

B, C, D: When you pass the value Contact as the parameter to the DataBindings property, you should not get a Binding instance ManagerBase instance. Furthermore you should not pass the name of the property as a parameter to the BindingContext property.

QUESTION 16

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS006 as developing collateral. You have called a stored procedure that returns a row set that has data about electrical chips. You then load the part data in a DataSet instance named testdataSet. The DataSet has a single Data Table instance. The DataTable instance's TableName property is set to Part.

Which code segment should you use to display the part data in a DataGridView control named testdataGridView?

- A. testdataGridView.DataSource = testdataSet. Tables[0];
testdataGridView.DataMember = "Part";
- B. testdataGridView.DataSource = testdataSet. Tables ["Part"];
- testdataGridView.DataMember = "DataTable";
- C. testdataGridView.DataSource = testdataSet;

```
testdataGridView.DataMember = "Part";  
D. testdataGridView.DataSource = testdataSet;  
testdataGridView.DataMember = "TableName.Part";
```

Answer: C

Explanation: To obtain your objective you should set the DataGridView control DataSource property to the DataSet instance. You also should set the DataGridView control DataSource property to theDataMember property to part.

Incorrect Answers:

A, B, D: It is not good if you set the DataMember property if you set the DataSource property to the DataTable instance which signifies the Part data. Furthermore, you should not set the DataMember property to TableName.Part.

QUESTION 17

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS006 as developing collateral. You are busy adding a ComboBox control name testComboBox to a form.

Which code segment should you use to populate the ComboBox with a list of valid Microsoft SQL Server instances which is registered on the system where the application is running?

```
A. DataTable dataTable = SqlDataSourceEnumerator.Instance.GetDataSource[];  
testComboBox.DataSource = dataTable;  
testComboBox.DisplayMember = @"{ServerName}\{InstanceName}";  
testComboBox.ValueMember = "InstanceName";  
testComboBox.FormatString = "{0}{1}";  
B. DataTable dataTable = SqlDataSourceEnumerator.Instance.GetDataSource[];  
Foreach [DataRow row in dataTable.Rows]  
{  
    string dataSource = [string] row["InstanceName"];  
    if [row["InstanceName"] != DBNull.Value]  
    {  
        dataSource += string.Format@"{0}",row["ServerName"]]  
    }  
    testComboBox.Items.Add(dataSource];  
}  
C. DataTable dataTable = SqlDataSourceEnumerator.Instance.GetDataSource[];  
testComboBox.DataSource = dataTable;  
testComboBox.DisplayMember = "ServerName";  
testComboBox.ValueMember = "InstanceName";  
D. DataTable dataTable = SqlDataSourceEnumerator.Instance.GetDataSource[];  
Foreach [DataRow row in dataTable.Rows]
```



```
{  
string dataSource = [string] row["ServerName"];  
if [row["InstanceName"] != DBNull.Value]  
{  
dataSource += string.Format@"\{0}",row["InstanceName"]]  
}  
testComboBox.Items.Add(dataSource);  
}
```

Answer: A

Explanation: The `SqlDataSourceEnumerator` class permits you to enumerate registered SQL server instances. If you want to get hold of the instance, you should call the `GetDataSource` method. This will return an instance of four columns.

Incorrect Answers:

B, C, D: You do not need to set the `DataSource` property of `testComboBox` to the `DataTable` instance returned from `GetDataSource`. This will not display the values from the `ServerName` and `InstanceName` field as a single value.

QUESTION 18

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS002 as developing collateral. One of the assistant application developers named Rory Allen were asked to execute two SQL commands which can update the data in separate Microsoft SQL Server 2005 databases. When ever the second command fails, the first command should be rolled back.

What should Rory Allen do?

- A. Execute both the commands within a single `TransactionScope` block and call the `Complete` method of the `TransactionScope` instance if both commands execute successfully.
- B. Execute both the commands in separate `TransactionScope` block and call the `Complete` method of the second `TransactionScope` instance if both commands execute successfully.
- C. Execute both the commands within a single `TransactionScope` block and call the `Complete` method of the `TransactionScope` instance if each command executed successfully.
- D. Execute both the commands in separate `TransactionScope` block and call the `Complete` method of the `TransactionScope` instance if each command executed successfully.

Answer: A

Explanation: Both of the commands should be executed within a single `TransactionScope` block. This will allow both of the commands to execute within the

same context of the same transaction.

Incorrect Answers:

B, D: You should not execute each command in a separate TransactionScope block. Both of the commands should be executed within a single TransactionScope block.

C: Before the second command succeeds, you should not call the Complete method.

QUESTION 19

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS002 as developing collateral. You have received instructions to call a stored procedure that return images from a Microsoft SQL Server 2005 database. You want to use the SqlDataReader class to read the returned images.

To ensure that each image is returned as a Stream instance that can be read on demand, what should you do?

- A. To the ExecuteReader method of a SqlCommand instance, specify CommandBehavior.SequentialAccess as a parameter.
- B. For the SqlConnection instance that represents the database connection, set the Packet Size connection string property to 0.
- C. For a SqlCommand instance, call the Prepare method followed by the ExecuteNonQuery method.
- D. Call the BeginTransaction method of a SqlConnection instance and specify IsolationLevel.Serializable as a parameter.

Answer: A

Explanation: You need to specify CommandBehavior.SequentialAccess as a parameter. The Microsoft .NET DataProvider for SQL Server will load the returned data as steam.

Incorrect Answers:

B: You should not set the size to 0. This will not instruct the Microsoft .NET DataProvider for SQL Server will load the returned data as steam.

C: The ExecuteNonQuery method executes SQL commands and does not return row sets.

D: The IsolationLevel.Serializable enumeration member shows that a lock should be placed to prevent transactions from updating or inserting rows into the DataSet instance.

QUESTION 20

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS002 as developing collateral. You have received instructions to import data from a flat file into a into a Microsoft SQL

Server 2005 database table.

What should you do to use the SqlBulkCopy class to import the data?

- A. From the flat file, import data into a DataTable instance.
- B. Make sure that the column order in the database table matches the field order in the flat file.
- C. Create a stored procedure to copy the data to the database table.
- D. Put the Bcp.exe tool in the output directory of the assembly that has the code.

Answer: A

Explanation: You need to import data into a DataTable instance.

Incorrect Answers:

B: You do not need to make sure that the column order in the database table matches the field order in the flat file.

C: There is no need to create a stored procedure to copy the data to the database table.

D: The Bcp.exe tool is a command line that is the equivalent of the managed SqlBulkCopy class. You do not need that.

QUESTION 21

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS002 as developing collateral. You have received instructions to create a DataSet diagram that models a one-to-many relationship between patients and treatments as seen in the exhibit:

When you serialize instance of the created DataSet component you, you received the following XML:

```
<Patient>
<PatientID> 100</PatientID>
<PatientName>Amy Good</PatientName>
</Patient>
<Treatment>
<TreatmentID> 1000</TreatmentID>
<PatientID> 100</PatientID>
<Code>DTP</Code>
</Treatment>
```

The XLM should be as follows

```
<Patient>
<PatientID> 100</PatientID>
<PatientName>Amy Good</PatientName>
<Treatment>
<TreatmentID> 1000</TreatmentID>
<Code>DTP</Code>
</Treatment>
</Patient>
```

What should you do to change the dialog box so that the XLM in generated correctly?

- A. You should select the Treatment from the Parent Table list and the Patient from the Child Table list.
- B. You should select the Both Relation and Foreign Key Constraint option.
- C. You should select the Foreign Key Constraint Only option.
- D. You should select the Nested Relation option.

Answer: D

Explanation: The Nested Relation option will indicate that elements that is the same as the child rows of the relation should be nested as child elements that corresponds to the parent row.

Incorrect Answers:

- A: You should not do this. A one-to-many relation exists between the patients and treatments.
- B: This will show that no relation exists between the two tables.
- C: This will create a foreign key constraint between the child table and the parent table.

QUESTION 22

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS006 as developing collateral. You are busy using the XmlDocument class to control an XML document. If the XML attribute is modified and inserted, you need to perform validation and return the XmlDocument instance to the original state if the validation fails. Which of the following events should you use to handle the events of the XmlDocument class?

- A. NodeChanged and NodeInserting
- B. NodeChanged and NodeInserted
- C. NodeChanging and NodeInserted
- D. NodeChanging and NodeInserting

Answer: D

Explanation: When the Xml node is about to change, an NodeChanging event is raised. So you need to handle the NodeChanging and NodeInserting events.

Incorrect Answers:

- A: When the node has changed and then the event is raised, it will be too late. You should not handle the NodeChanged event.
- B: When the node has changed and then the event is raised, it will be too late. You should not handle the NodeChanged event. The NodeInserted will also raise after the event has happened.
- C: You should not handle the NodeChanged event. The NodeInserted will also raise after the event has happened.

QUESTION 23

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS006 as developing collateral. You have to read large amounts of XML data. The data resides on an external data source. You need to read the XML data and validate it as it is read. Which of the following classes should you use which will be most memory-efficient way?

- A. DataSet
- B. XmlReader
- C. XmlDataDocument
- D. XmlDocument

Answer: B

Explanation: If large amount of data is read, you should use the XMLReader class. It represents a forward-only and read-only. This is a very efficient way because the document does not need to be loaded into the memory.

Incorrect Answers:

- A: The DataSet represents disconnected relational data and the data need to be in the memory.
- C: The XmlDataDocument implements the functionality of the XmlDocument class and the DataSet class.
- D: The XmlDocument implements the XML Document Object Model.

QUESTION 24

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS006 as developing collateral. You are busy using the XmlWriter class to write large amount of XML data to a physical device via a buffer stream. Which method should you use to write all buffered data in the stream to the device without losing any buffered data?

- A. WriteFullEndElement
- B. Flush
- C. Close
- D. WriteEndDocument

Answer: B

Explanation: The flush method flushes the underlying stream by writing all buffered data to the underlying device and it does not lose any data.

Incorrect Answers:

- A: The WriteFullEndElement method closes the current document which is open.
- C: The Close method closes the underlying stream. This will cause you to lose data.
- D: The WriteEndDocument method closes all the open documents.

QUESTION 25

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS006 as developing collateral. The manager has told you to develop a Microsoft Windows Forms application which has printing capabilities.

From which of the following base should you derive your class to create a class that will show you the required dialog box?

- A. PageSetupDialog
- B. PrintControllerWithStatusDialog
- C. PrintDialog
- D. PrintPreviewDialog

Answer: B

Explanation: You should get your class from the PrintControllerWithStatusDialog. This will allow you to extend the PrintController.

Incorrect Answers:

- A: The PageSetupDialog presents the standard Page Setup dialog box. The dialog box does not show the status of a print.
- C: The PrintDialog shows the Print dialog box.
- D: The PrintPreviewDialog shows the Print Preview dialog box. This will not display the status of the print job.

QUESTION 26

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS009 as developing collateral. You are busy developing a Microsoft Windows Forms resume builder application.

Which code segment should you use to allow users to see a printed resume without printing the document? (Use a modal dialog box)

- A. `PrintPreviewDialog dialog = new PrintPreviewDialog[];`


```
dialog.Document = document;  
dialog.ShowDialog[];  
B. PrintPreviewDialog dialog = new PrintPreviewDialog[];  
dialog.Document = document;  
dialog.Show[];  
C. PrintDialog dialog = new PrintDialog[];  
dialog.Document = document;  
dialog.Show[];  
D. PrintDialog dialog = new PrintDialog[];  
dialog.Document = document;  
dialog.UseEXDialog = true  
dialog.ShowDialog[];
```

Answer: B

Explanation: The PrintPreviewDialog class represents the standard Print Preview dialog box. With this you can preview the document before you print it.

Incorrect Answers:

A, C, D: The Show method shows a modeless dialog box and not the modal dialog box. The PrintDialog class represents the standard Print dialog box. It does not allow you to preview the document.

QUESTION 27

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS009 as developing collateral. You are busy creating a PrintDocument instance that represents a report to print. Which of the following event will programmatically change the page settings of individual pages as they are printed?

- A. QueryPageSettings
- B. BeginPrint
- C. PrintPage
- D. EndPage

Answer: A

Explanation: The QueryPageSettings is raised before the printing starts. You can then modify the page.

Incorrect Answers:

B: The BeginPrint is raised before the first page is print. You need this for multiple page settings.

C: The PrintPage raise an event when a page is print, you cannot change settings at that

stage.

D: The EndPage is shown when the print job is finished.

QUESTION 28

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS009 as developing collateral. You were given instructions to develop a print driver license. The component that you will use should grant permission to access all the printers that are connected to the client computers.

What should you do to step by step specify security to make sure that applications cannot use your component unless they are granted an unrestricted printing permission?

- A. Call the Demand method on a PrintingPermission instance with the Level property set to PrintingPermissionLevel.AllPrinting.
- B. Call the Demand method on a PrintingPermission instance with the Level property set to PrintingPermissionLevel.NoPrinting.
- C. Call the Assert method on a PrintingPermission instance with the Level property set to PrintingPermissionLevel.AllPrinting.
- D. Call the Assert method on a PrintingPermission instance with the Level property set to PrintingPermissionLevel.NoPrinting.

Answer: A

Explanation: When using the Demand method, it demands the callers in a higher stack a specific permission. The applications that are granted unrestricted printing permissions can use the print driver license.

Incorrect Answers:

B: The Demand method on a PrintingPermission is the same as permission to print.

C, D: The Assert method, you can make sure that the code is secure and prevent a full stack walk from whether all callers in the call stack are granted the permission.

QUESTION 29

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS009 as developing collateral. You are busy creating a Microsoft Windows Forms applications for the security agency. The application is used to print security-related documents. They also want the document to be watermarked on each page.

From which base class would you obtain your class to create a class that meets the requirements?

- A. PrintDocument
- B. PrintPreviewControl
- C. PrintController
- D. PrintPreviewDialog

Answer: A

Explanation: The PrintDocument allows you to override the OnPrintPage method which will print a secure watermark on each page.

Incorrect Answers:

B: The PrintPreviewControl represents a customized print preview control. You then can add this to the form but you cannot customize the printing process.

C: The PrintController allow you to control the printing process but cannot force secure watermarks.

D: The PrintPreviewDialog shows the Print Preview dialog box. You cannot customize the printing process.

QUESTION 30

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com.

Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department and a Finance department. You as the developer of Certkiller .com use a client computer named Certkiller -WS009 as developing collateral. You are busy creating a component that allows the users in the Finance department to print daily reports. You want the component to grant permission to access all the printers on the client computers of the users.

What should you do to programmatically specify security to stop a full stack walk from being performed when the component prints the report?

- A. Call the Demand method on a fully-restricted PrintingPermission instance.
- B. Call the Demand method on an unrestricted PrintingPermission instance.
- C. Call the Assert method on a fully-restricted PrintingPermission instance.
- D. Call the Assert method on an unrestricted PrintingPermission instance.

Answer: D

Explanation: For you to create an unrestricted PrintingPermission, you should create an instance of the PrintingPermission class and pass the PrintingPermissionLevel.AllPrinting enumeration member or the PermissionState.Unrestricted enumeration member as a parameter.

Incorrect Answers:

A, B: The Demand method will demand that a stack walk be performed to find out if all callers higher in the stack have permission to print. This is then done for each document that needs to be printed.

C: The Assert method on a fully-restricted PrintingPermission instance is the same as not demanding permission to print.

QUESTION 31

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department and a Finance department. You as the developer of Certkiller .com use a client computer named Certkiller -WS017 as developing collateral. You are using the PrintPreviewDialog class to permit the users in the Finance department to have a preview of there documents. You need to stop a viewed page in the document from being automatically resized when the dialog box represented by the PrintPreviewDialog instance is resized. What should you do to configure the PrintPreviewControl instance of the PrintPreviewDialog instance?

- A. You should set the AutoZoom property to True.
- B. You should set the Zoom property to 100.
- C. You should set the Zoom property to 1.
- D. You should set the AutoZoom property to False.

Answer: D

Explanation: If it is set to False, it will show that the page should not automatically be resized when the dialog box is resized.

Incorrect Answers:

- A: If the AutoZoom property is set to True, it will show that the page be resized when the dialog box is resized.
- B, C: Setting the value to 100 percent which is the same as 1, will support a decimal value that shows the zoom level of the previewed page. This has not effect when the page is automatically resized.
-

QUESTION 32

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department and a Graphics department. You as the developer of Certkiller .com use a client computer named Certkiller -WS009 as developing collateral. You are busy creating an instance of the PrintPreviewControl class named graphicprintPreviewControl to allow the users in the Graphics department to preview their printed documents. Which code segment is used to default the preview to a zoom level of 50 percent and avert text from appearing jagged?

- A. `printPreviewControlZoom = 0.5;`
`printPreviewControl.UseAntiAlias = true;`

B. `printPreviewControlZoom = 0.5;`
`printPreviewControl.UseAntiAlias = false;`
C. `printPreviewControlZoom = 50;`
`printPreviewControl.UseAntiAlias = false;`
D. `printPreviewControlZoom = 0.05;`
`printPreviewControl.UseAntiAlias = true;`

Answer: A

Explanation: The 0.5 is the same as 50 percent. You must set the `UseAntiAlias` to true.

Incorrect Answers:

B, C: You must not set the `UseAntiAlias` to false. This will disable anti-aliasing.

D: This setting is wrong, 0.05 is not 50 percent.

QUESTION 33

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS009 as developing collateral. You are busy creating a Microsoft Windows Forms applications with printing support. You were asked to raise a custom event named `PageChanged`.

From which base class would you obtain your class to create a class that meets the requirements with the minimal code changes?

- A. `PrintDocument`
- B. `PrintPreviewControl`
- C. `PrintController`
- D. `PrintPreviewDialog`

Answer: B

Explanation: The `PrintPreviewControl` represents a customized print preview control. You can also raise custom events.

Incorrect Answers:

A: The `PrintDocument` is a document that can be printed.

C: The `PrintController` allow you to control the printing process but not to preview the document.

D: The `PrintPreviewDialog` shows the Print Preview dialog box.

QUESTION 34

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a

client computer named Certkiller -WS009 as developing collateral. The following code was added to add a PrintPreviewControl instance to a Panel control named testpanel.

```
PrintPreviewControl printPreview = new PrintPreviewControl[];  
printPreview.Columns = 2;  
printPreview.Rows = 2;  
printPreview.Dock = DockStyle.Fill;  
testpanel.Controls.Add[printPreview];
```

When you run the application that has this code, you received the following message on the Panel control.

Document does not contain any pages.

What must you do to allow a page to be displayed, when running the application?

- A. You should set the StartPage property of printPreview to 1
- B. You should set the Visible property of printPreview to true
- C. You should call the Show method of printPreview
- D. You should set the Document property of printPreview to an instance of PrintDocument

Answer: D

Explanation: To display a preview of a document when the Document property is set, you should use the PrintPreviewControl.

Incorrect Answers:

A: The StartPage property has no effect if the Documentproperty is not set to a PrintDocument instance.

B: This shows that the controls should be visible.

C: The property has no effect if the Documentproperty is not set.

QUESTION 35

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS009 as developing collateral. You are busy to develop a Microsoft Windows Forms application that allows the computer engineers to design circuit boards for different types of hardware. You then create a custom control that portrays the design surface.

Which of the following event should you handle so that you can highlight the available areas on the design surface where a component can be dropped?

- A. DragEnter
- B. QueryContinueDrag
- C. GiveFeedback
- D. DragOver

Answer: D

Explanation: The DragOver event will be raised if the mouse pointer will move over a control during a drag-and-drop action.

Incorrect Answers:

A: The DragEnter event will raise only if the mouse pointer enters a control during a drag-and-drop action.

B: The QueryContinueDrag event is raise when the mouse or keyboard button state changes.

C: The GiveFeedback event is raised when a drag-and-drop action is started.

QUESTION 36

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS009 as developing collateral. You are busy to develop a Microsoft Windows Forms application that allows the computer engineers to design circuit boards for different types of hardware. The electronic parts exits as nodes, on the main form, which reside in a TreeView control named testtreeView. The TreeView's AllowDrop property is set to false and a Panel control provides the drawing surface. You want the Development users to drag the components to the drawing surface.

Which of the following code segments is used to write code to begin a drag-and-drop operation?

- A. `testtreeView.DragEnter += delegate(object sender, DragEventArgs e)`
{
DoDragDrop[e.Data, DragDropEffects.Copy];
}
- B. `testtreeView.DragLeave += delegate`
{
DoDragDrop[testtreeView.SelectedNode, DragDropEffects.Copy];
}
- C. `testtreeView.DragEnter += delegate(object sender, DragEventArgs e)`
{
DoDragDrop[e.Item, DragDropEffects.Copy];
}
- D. `testtreeView.DragEnter += delegate(object sender, DragEventArgs e)`
{
DoDragDrop[testtreeView.SelectedNode, DragDropEffects.Copy];
}

Answer: C

Explanation: If you handle the ItemDrag event of the TreeView control, an event

will raise when the user begins to drag a node in the TreeView control.

Incorrect Answers:

A, D: The MouseEnter event of the TreeView control should not be used. It will raise an event every time the mouse pointer enters the area which is occupied by the TreeView control.

The DragEnter event of the TreeView control should not be used, because the AllowDrop is set to false.

B: The DragLeave of the TreeView control should not be used, because the AllowDrop is set to false.

QUESTION 37

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS019 as developing collateral. You are busy to develop a Microsoft Windows Forms application that has localized resources for the Arabic language.

Which code segment is used to display all currencies in the format used by Egypt?

- A. Thread.CurrentThread.CurrentUICulture = new CultureInfo["ar"];
- B. Thread.CurrentThread.CurrentCulture = new CultureInfo["ar"];
- C. Thread.CurrentThread.CurrentUICulture = new CultureInfo["ar-EG"];
- D. Thread.CurrentThread.CurrentCulture = new CultureInfo["ar-EG"];

Answer: D

Explanation: The CurrentCulture property specifies the culture to use for formatting numbers, currencies, dates, and time. The culture ar-EG is for the Arabic language in Egypt.

Incorrect Answers:

A, B, C: The CurrentUICulture identifies the culture to be used by a resource manager, which load localized resources. Furthermore, you should not specify the ar to the constructure of CultureInfo. The ar value represents a neutral for the Arabic language.

QUESTION 38

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS049 as developing collateral. You are busy to develop a Microsoft Windows Forms application that has localized resources for the French language.

Which code segment is used to automatically load French resources but use the United States format for all currencies, numbers, dates and times?

- A. Thread.CurrentThread.CurrentCulture = new CultureInfo["en-US"];

Thread.CurrentThread.CurrentUICulture = new CultureInfo["fr"];
B. Thread.CurrentThread.CurrentCulture = new CultureInfo["FR"];
Thread.CurrentThread.CurrentUICulture = new CultureInfo["US"];
C. Thread.CurrentThread.CurrentCulture = new CultureInfo["US"];
Thread.CurrentThread.CurrentUICulture = new CultureInfo["FR"];
D. Thread.CurrentThread.CurrentCulture = new CultureInfo["fr-FR"];
Thread.CurrentThread.CurrentUICulture = new CultureInfo["en-US"];

Answer: A

Explanation: The CurrentUICulture should be set to the CultureInfo instance that represents the fr neutral culture. The fr neutral culture represents the French language.

Incorrect Answers:

B, C, D: The CurrentCulture property must be avoided, that represents the fr-FR culture. This will give the format for all currencies, numbers, dates and times in French, you want to leave it o the United States format. The en-US will show that the English resources will be locked. Furthermore, you should not set the CurrentCulture property to US. It should be set to specify the culture.

QUESTION 39

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS023 as developing collateral. You are busy to develop a Microsoft Windows Forms application that has to support the neutral English and all Arabic cultures.

What should you do to make sure that the user interface supports the text flow for the Arabic language?

- A. You should set the Localizable property of each form to True.
- B. You should set the Language property of each form to Arabic.
- C. You should set the RightToLeftLayout property of each form to True.
- D. You should set the RightToLeft property of each form to True.

Answer: D

Explanation: The Arabic script is written from right to left. You have to support the language flow.

Incorrect Answers:

- A: The Localizable shows whether the designer should create localize resources to save property value for different cultures. It should not be used.
- B: The Language property specifies that culture for the resources to which a designer would save property values.

C: The True setting of RightToLeftLayout will change the control flow from right to left. You want to change the text flow.

QUESTION 40

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS034 as developing collateral. You are busy to create a MenuStrip control named testmenuStrip to a container form named testcontainerForm in a Microsoft Windows Forms application. The testcontainerForm contains tree child forms. Which code segment should you sue to create a windows list menu so that each name of each child window is displayed on a ToolStripMenuItem control which was named testmenuItem?

- A. testmenuStrip.MdiWindowListItem = menuItem;
- B. testcontainerFrom.IsMdiContainer = true;
- C. foreach [Control childForm in testcontainerForm.Controls]
{
 ToolStripMenuItem item = new ToolStripMenuItem[childForm.Text];
 testmenuItem.DropDownItems.Add[item];
}
- D. foreach [Form childForm in Application.OpenForms]
{
 ToolStripMenuItem item = new ToolStripMenuItem[childForm.Text];
 testmenuItem.DropDownItems.Add[item];
}

Answer: A

Explanation:

You need to set the MdiWindowListItem property to the ToolStripMenuItem that has the window list items.

Incorrect Answers:

C, D: A ToolStripMenuItem should not be put in manually of each Form instance. This collection has all the open form, which has the container form. You also should not add the ToolStripMenuItem manually for each Control instance.

B: The IsMdiContainer should not be set to accomplish the goal.

QUESTION 41

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department and a Marketing department. You as the developer of Certkiller .com use a client computer named Certkiller -WS034 as

developing collateral. A Certkiller .com user named Mia Hamm is working for the Marketing department. You need to provide her assistance for an input control by automatically show tooltip when she uses the F1 key. You want the tooltip to show enough information. This is, so that Mia Hamm not causing errors by entering the wrong or invalid data.

What should you do to add a component to the form, without manual coding?

- A. You should add a ToolTip component to the form.
- B. You should add a HelpProvider component to the form.
- C. You should add a NotifyIcon component to the form.
- D. You should add an ErrorProvider component to the form.

Answer: B

Explanation: The HelpProvider component allows you to display a tooltip when ever a user presses the F1 key.

Incorrect Answers:

- A: This component will show a tooltip when the mouse pointer hover over a control.
- C: The NotifyIcon allows you to show icons in the taskbar.
- D: The ErrorProvider displays a blinking icon when you call its SetError method.

QUESTION 42

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS034 as developing collateral. You are busy using a BackgroundWorker component, set to its default value, to execute an asynchronous operation.

What should you do to receive notification when the operation completes?

- A. You should handle the ProgressChanged event.
- B. You should handle the RunWorkerCompleted event.
- C. You should call the WaitAny method of the WaitHandle class.
- D. You should call the WaitAll method of the WaitHandle class.

Answer: B

Explanation: The BackgroundWorker class has a method called RunWorkerCompleted, when called; it raises a DoWork event in a separate thread. When ever the background thread is complete, the component raises the RunWorkerCompleted event.

Incorrect Answers:

- A: The ProgressChanged is raised when the background thread calls the ReportProgress method.
- C: The WaitAny causes the current thread to block until at least one wait handle in the

specified WaitHandle array is signaled as complete.

D: The WaitAll causes the current thread to block until one wait handle in the specified WaitHandle array is signaled as complete.

QUESTION 43

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS114 as developing collateral. You are busy using a BackgroundWorker component to call a method named DownloadJob in a background thread.

Which code segment is used to display a message box to alert the users when the background thread is complete?

- A.

```
if[backgroundWorker.Worker.WorkerReportsProgress ==false]
{
    MessageBox.Show["The download is complete."];
}
```
- B.

```
backgroundWorker.DoWork +=delegate
{
    MessageBox.Show["The download is complete."];
}
```
- C.

```
if [backgroundWorker.IsBusy==false]
{
    MessageBox.Show["The download is complete."];
}
```
- D.

```
backgroundWorker.RunWorkerCompleted += delegate
{
    MessageBox.Show["The download is complete."];
}
```

Answer: D

Explanation: The BackgroundWorker allow you to perform task in a background thread. The BackgroundWorker class has a method called RunWorkerAsync that raises a DoWork event.

Incorrect Answers:

- A: The message only, should not be displayed. This shows whether the BackgroundWorker should raise the ProgressChange event when the background thread calls the ReportProgress method.
 - B: The DoWork does not display the message. It raises the background thread to start.
 - C: The IsBusys shows whether the background threads are busy.
-

QUESTION 44

You are working as an application developer at Certkiller .com. The Certkiller .com

network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS054 as developing collateral. You are busy using a BackgroundWorker component to execute an asynchronous operation. The job of the background thread is to call the ReportProgress method to update the foreground thread. You have handled the ProgressChanged event and set the Value property of a ProgressBar. The problem is that the ProgressBar display by no means gets updated. During the investigation you find out that the event handler that works with the ProgressChanged event never gets called. What should you do to make sure that the event handler gets called?

- A. You should call the ReportProgress method in the foreground thread.
- B. You should set the WorkerReportsProgress property to True.
- C. You should set the BackgroundWorker component to the value of the Site property returned from the ProgressBar control.
- D. You should set the BackgroundWorker component to the value of the Site property returned from Form control that host the component.

Answer: B

Explanation: The WorkerReportsProgress property shows whether the BackgroundWorker component should raise the ProgressChanged event when the background thread calls the ReportProgress method.

Incorrect Answers:

- A: The BackgroundWorker should call the ReportProgress. You should not put it to the foreground.
- C, D: The Site property should not be changed. It defined the binding between a control or component and its associate container.

QUESTION 45

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS013 as developing collateral. You are busy to develop a Microsoft Windows Forms application that performs long-running task that performs in the background thread. The application is of such a kind, that it does not interoperate with Component Object Model {COM}. What should you do to configure the application so that the background thread can report the status of the task by calling the ReportProgress method of the BackgroundWorker class?

- A. You should add a ProgressBar control to the form that hosts the BackgroundWorker component.
- B. You should apply the MTAThread attribute to the Main method of the application.

- C. You should apply the STAThread attribute to the Main method of the application.
- D. You should set WorkerReportProgress property of the BackgroundWorker class to true.

Answer: D

Explanation: You need to set the WorkerReportProgress property of the BackgroundWorker class to true, which will raise the ProgressChange event whenever the ReportProgress method is called.

Incorrect Answers:

- A: The ProgressBar should not be added. This also will not report the status of the background task.
- B: The MTAThread should not be applied to the Main method. Furthermore, the application does not interoperate with COM.
- C: The STAThread should not be applied to the Main method. It is there by default.

QUESTION 46

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS065 as developing collateral. You were asked to use the BackgroundWorker component to do an asynchronous task. What should you do to define the signature of the method that will contain the code to perform the asynchronous task?

- A. You should create a method that matches the ThreadStart delegate's signature.
- B. You should create a method that matches the AsyncCallback delegate's signature.
- C. You should create a method that matches the ParameterizedThreadStart delegate's signature.
- D. You should create a method that matches the DoWorkEventHandler delegate's signature.

Answer: D

Explanation: You should create a method that matches the DoWorkEventHandler delegate's signature. The BackgroundWorker allows you to do jobs in a background thread quite than the interface thread.

Incorrect Answers:

- A: The ThreadStart allows you to define a method for executing codes in separate threads. You must in this case avoid creating a method that matches the ThreadStart signature.
- B: The AsyncCallback allows you to define a method that represents an asynchronous operation's callback. You must in this case avoid creating a method that matches the AsyncCallback signature.
- C: The ParameterizedThreadStart allows you to define a method that represents an

asynchronous operation's callback. You must in this case avoid creating a method that matches the AsyncCallback signature.

QUESTION 47

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS021 as developing collateral. You are using the Semaphore class to synchronize access to a resource pool. During an inspection you find out that an exception of type UnauthorizedAccessException is thrown when you call the OpenExisting method of the Semaphore class, which is only thrown for one user.

What should you do to stop the exception from being thrown?

- A. You should call the Demand method of an unrestricted SecurityPermission instance.
- B. You should grant the user permission to read the semaphore that protects the resource pool.
- C. You should grant the user permission to access the resource pool.
- D. You should call the Assert method of an unrestricted SecurityPermission instance.

Answer: B

Explanation: The user's permissions are granted to read the semaphore that protects the resource pool. An access control list is there to protect the Semaphores. The SetAccessControl method of the Semaphore class is there to grant the users permissions to read the semaphore.

Incorrect Answers:

- A: The Demand method is not used for an unrestricted SecurityPermission instance.
- C: The user permission is not use to access the resource to correct the problem.
- D: The SecurityPermission prevents a code from performing a stack walk past the present stack.

QUESTION 48

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS023 as developing collateral. You are busy creating an instance of Semaphore by means of calling its constructor. While the Semaphore instance was created, you specify four resources from a resource pool and reserve the three resources. You want to call the Release method of the Semaphore instance to allocate four available resources from the resource pool. Which of the following numbers should you pass to the Release method?

- A. 3

- B. 4
- C. 1
- D. 0

Answer: A

Explanation: Every time you call the Release method, the semaphore will exit and makes a resource available. When a parameter has passed to the Release method, you indicate the number of times that the semaphore exits, which is three times.

Incorrect Answers:

B: The SemaphoreFullException can only free three resources in this case.

C: If it was one, then it would have only release one resource.

D: This number would cause an exception of type ArgumentOutOfRangeException to be thrown because the semaphore has to release one resource.

QUESTION 49

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS003 as developing collateral. You need to implement an asynchronous method to the Download method. You have the following class:

```
public class Job
{
    public void Download[]
    {
    }
}
```

Which of the following segments should you use? (Use the event-base asynchronous pattern)

- A.

```
public IAsyncResult InvokeDownload[]
{
    Return null;
}
```
- B.

```
public IAsyncResult DownloadAsync[]
{
    Return null;
}
```
- C.

```
public IAsyncResult BeginDownload[]
{
    Return null;
}
```
- D.

```
public Void DownloadAsync[]
{
```

```
Return null;  
}
```

Answer: D

Explanation: If it is an event-base asynchronous pattern, a worker thread raises an event to signal completion of an asynchronous process. The event should have the same name of the synchronous method suffixed with "Completed".

Incorrect Answers:

A, B, C: To adhere to the pattern, you should name the method DownloadAsync. You also should not return a value from the method.

QUESTION 50

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS333 as developing collateral. You are using the following class to download jobs.

```
public class Job  
{  
    public void Download[]  
    {  
    }  
}
```

You need to use the event-based asynchronous pattern to support asynchronous job downloads.

Which of the following code segments should you use to define a member of that class to signal asynchronous completion?

- A. public bool DownloadCompleted;
- B. public void DownloadCompleted[]
{
}
- C. public DownloadCompletedEventHandler DownloadCompleted[]
{
 Return null;
}
- D. public DownloadCompletedEventHandler DownloadCompleted;

Answer: D

Explanation: If you have the event-based asynchronous patter, a worker thread raises an event to indicate completion of an asynchronous process. The event should have the same name of the synchronous method suffixed with "Completed".

Incorrect Answers:

A, B, C: You should not define a method or field named DownloadCompleted. A event must be define to signal notification.

QUESTION 51

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS333 as developing guarantee. You are busy writing a code to perform an asynchronous operation. You must adjust the priority of the thread that executes the asynchronous operation. The operation is must be specified to use input data from the main thread. What should you do to define the signature of the method that will contain the code to perform the asynchronous operation?

- A. You should create a method that matches the AsyncCallback delegate's signature.
- B. You should create a method that matches the ParameterizedThreadStart delegate's signature.
- C. You should create a method that matches the ThreadStart delegate's signature.
- D. You should create a method that matches the DoWorkEventHandler delegate's signature.

Answer: B

Explanation: You need to create a method that matches the ParameterizedThreadStart delegate's signature. This will then accepts a single Object instance as a parameter.

Incorrect Answers:

- A: The AsyncCallback allows you to define a method that represents an asynchronous operation's callback.
- C: The parameters are not accepted by the ThreadStart. Because of this, you cannot use it to supply input data to the asynchronous operation.
- D: The DoWorkEventHandler delegate's signature is supported by the BackgroundWorker. The BackgroundWorker do not ajust priority of the BackgroundWorker thread

QUESTION 52

```
ThreadStart threadStart = delegate
{
}
ParameterizedThreadStart parameterizedThreadStart = delegate(object
args)
{
}
int threadPoolThreadCount = 0
Thread thread1 = new Thread[threadStart];
Thread thread2 = new Thread[parameterizedThreadStart];
Thread thread3 = new Thread[threadStart];
```

```
thread1.Start[];  
thread2.Start[null];  
thread3.Start[];  
if [thread1.IsThreadPoolThread]  
{  
    threadPoolThreadCount++;  
}  
if [thread2.IsThreadPoolThread]  
{  
    threadPoolThreadCount++;  
}  
if [thread3.IsThreadPoolThread]  
{  
    threadPoolThreadCount++;  
}
```

What value of the threadPoolThreadCount should you identify after the code is executed?

- A. 0
- B. 2
- C. 3
- D. 1

Answer: A

Explanation: The value of the threadPoolThreadCount is set at 0. The threads that are manually made are not class as thread pool threads. The threads that are created by calling the QueueUserWorkItem method of the ThreadPool are class thread pool threads.

QUESTION 53

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS005 as developing collateral. You are busy developing a Microsoft Windows From application. This Windows Forms application will allow electrical engineers to visually design circuit boards. The users in the Development department connect to Certkiller -WS005 and download their respective designed circuit board for the hardware they developed. Which of the following code segments should you sue to allow users to download all designed circuit boards in a background thread with Common Language Runtime to mange the thread?

- A. ParameterizedThreadStart threadStart = delegate
{

```
//Download the jobs
}  
New Thread[threadStart].Start[null];  
B. AsyncCallback callback = delegate  
{  
//Download the jobs  
}  
Application.OpenForms[0].BeginInvoke[callback];  
C. ThreadStart threadStart = delegate  
{  
//Download the jobs  
}  
New Thread[threadStart].Start[];  
D. ThreadPool.QueueUserWorkItem[delegate  
{  
//Download the jobs  
}
```

Answer: D

Explanation: The QueueUserWorkItem will allow you for execution in a thread pool.

Incorrect Answers:

A: The Start method of the thread class will create and execute a thread. The CLR does not manually create threads.

B: The parameters are not accepted by the ThreadStart. Because of this, you cannot use it to supply input data to the asynchronous operation.

C: The BeginInvoke will allow you to set the properties and invoke methods from the background threads.

QUESTION 54

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS005 as developing collateral. You are busy developing a composite control. You do not want the controls to be displayed when certain conditions are met.

Which code segment should you use to write code to stop the control from being displayed?

- A. this.BackColor = Color, Transparent;
- B. this.Visible = false;
- C. this.SetStyle[ControlStyles.SupportTransparentBackColor, true];
- D. this.SetStyle[ControlStyles.Opaque, true];

Answer: B

Explanation: The Visible control should be on false. This setting will not allow displaying.

Incorrect Answers:

A: This will prevent the background from being displayed; however it cannot hide the entire control.

C: This will prevent the background from being displayed; however it cannot hide the entire control.

D: This will prevent the background from being displayed; however it cannot hide the entire control.

QUESTION 55

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS005 as developing collateral. You are busy developing a composite control, which has a read-only property named Count. Which code segment should you use to apply an attribute to the Count property to stop it from being displayed in the Visual Studio 2005 property browser?

- A. <Category[NonBrowsable]>
- B. <Editor["Visible","False"]>
- C. <Browsable[False]>
- D. [TypeConverter["Hidden"]>

Answer: C

Explanation: This setting will indicate that the property should not be visible in the Visual Studio 2005 property browser.

Incorrect Answers:

A: This has nothing to do with the visibility of the property.

B: This defines an editor that is used to edit the values of the properties.

D: This allows you to define the property.

QUESTION 56

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS105 as developing collateral. You are busy developing a custom control, which displays the time in digital and analog formats. You need to apply the control in a class named Clock. The Clock control will be place on forms and configure the properties to show the time. Which code segment should you use to define the Clock class?

- A. public class Clock
{
}
- B. public class Clock : Component
{
}
- C. public class Clock : Control
{
}
- D. public class Clock : Timer
{
}

Answer: C

Explanation: The controls that are obtained from the Clock class are displayed on the form.

Incorrect Answers:

- A: You should not obtain it from the Clock. The controls that are obtained from the Clock class are displayed on the form.
- B: The controls that are obtained from the Clock class are displayed on the form.
- D: The controls that are obtained from the Clock class are displayed on the form.

QUESTION 57

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS205 as developing collateral. You are busy developing a custom control from a class from Control, which is not a composite control and performs all of its rendering by using GD+. What should you do to make sure that portions of the control are automatically repainted when a specific property changes?

- A. You should call the Onpaint method.
- B. You should call the Invalidate method.
- C. You should call the Update method.
- D. You should call the Refresh method.

Answer: B

Explanation: This method is overloaded to define the portions of a control that is about to be repainted.

Incorrect Answers:

- A: The Invalidate method calls the Onpaint method.

C: The Update method does not allow you to specify the portions of the control that must be prepared.

D: The Refresh method does not allow you to specify the portions of the control that must be prepared.

QUESTION 58

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS105 as developing collateral. You are busy developing a custom control from a class from Control, which is not a composite control and performs all of its rendering by using GD+.

What should you do to write code to render the control, preventing other controls from modifying the rendering behavior of your control?

- A. You should attach the Paint event to an event handler in the constructor and perform all rendering in the event handler.
- B. You should create a Graphic instance in the constructor and perform all rendering via the Graphic instance.
- C. You should override the Onpaint method and do all rendering in the overridden method.
- D. You should override the InitLayout method, attach the Paint event to the event handler and do all rendering in the event handler.

Answer: C

Explanation: When you override the Onpaint method, you can render the control via the Supplied PaintEventArgs parameter.

Incorrect Answers:

A, D: The event handler is not needed. You cannot stop the other controls from attaching to the event handlers.

B: You should not create a graphic instance.

QUESTION 59

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS105 as developing collateral. You are busy creating an extended control deriving class from TextBox. You did override the OnPaint method of the TextBox, but it never is called.

What should you do to set or unset a flag in the ControlStyles enumeration to solve this problem?

- A. You should set the AllPaintInWmPaint flag.

- B. You should unset the UserPaint.
- C. You should unset the AllPaintInWmPaint flag.
- D. You should set the UserPaint.

Answer: D

Explanation: The UserPaint flag shows that the control paints itself then having the operating system performs the job. If the flag is not set, the OnPaint method is not called.

Incorrect Answers:

- A, C: It does not matter if you set or unset the AllPaintInWmPaint flag. It shows that the control should reduce flickering the WM_ERASEBKGD window message.
- B: The UserPaint flag should be set for the OnPaint method to be called.

QUESTION 60

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS105 as developing collateral. You are busy creating an extended control deriving class from Button.

What should you do to render your control with an oval shape which must prevent other control from modifying the rendering behavior of your control?

- A. You should override the OnPaint method and call the base implementation and render the control.
- B. You should override the OnPaintBackground method and render the control but not call the base implementation.
- C. You should override the OnPaint method and render the control but not call the base implementation.
- D. You should override the OnPaintBackground method and call the base implementation and render the control.

Answer: C

Explanation: The UserPaint method is used whenever regions of a control are invalidated. The base OnPaint method raise the Paint event.

Incorrect Answers:

- A: You should not call the OnPaint method. This would raise the OnPaint method.
- B, D: You should not override the OnPaintBackground method.

QUESTION 61

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a

client computer named Certkiller -WS222 as developing collateral. You are busy developing a Microsoft Windows Forms application that uses the ClickOnce technology. You did specify several assemblies. The assemblies are used by the application as optional so that they do not get deployed initially. The application is specified to loads these assemblies dynamically.

What should you do to modify the application so that the assemblies are automatically downloaded when the application requires them?

- A. You should handle the AssemblyResolve event of the AppDomain class and call the DownloadFileGroup method of the ApplicationDeployment class.
- B. You should handle the TypeResolve event of the AppDomain class and call the DownloadFileGroup method of the ApplicationDeployment class.
- C. You should handle the AssemblyLoad event of the AppDomain class and call the Update method of the ApplicationDeployment class.
- D. You should handle the ResourceResolve event of the AppDomain class and call the Update method of the ApplicationDeployment class.

Answer: A

Explanation: The AssemblyResolve event is raised when the current application domain fails to load an assembly requested by the application. You need to specify the name of the deployment group to which the assembly belongs.

Incorrect Answers:

B: The TypeResolve is raised after an assembly is successfully loaded.

C: The AssemblyLoad is raised after an assembly is loaded.

D: The ResourceResolve event is raised when the current application domain fails to load a resource.

QUESTION 62

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS222 as developing collateral. You are busy developing a Microsoft Windows Forms application named TestGradeBook to deployment server.

What should you do to use a batch file to programmatically change the update requirement of the application?

- A. You should use the Manifest Generation and Editing Graphical Tool {MageUI.exe} to change the GradeBook.application settings.
- B. You should use the Manifest Generation and Editing Tool {Mage.exe} to change the GradeBook.exe.manifest settings.
- C. You should use the Manifest Generation and Editing Tool {Mage.exe} to change the GradeBook.application settings.
- D. You should use the Manifest Generation and Editing Graphical Tool {MageUI.exe} to

change the GradeBook.exe.manifest settings.

Answer: C

Explanation: The Mage.exe is used to change the GradeBook.application settings. It also helps to manage a published application.

Incorrect Answers:

A: The MageUI.exe provides a graphical user interface for managing a published application.

B, D: The GradeBook.exe cannot change the update requirements. The GradeBook.exe.manifest allows you to specify an application's associated files.

B: Install a Windows Forms application from a server by using ClickOnce deployment.

QUESTION 63

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS132 as developing collateral. You are busy developing a Microsoft Windows Forms application named Certkiller GradeBook to deployment server. You first deployed the application so that it supports offline use. What should you do to change the application so that it is only available when the Certkiller .com user's computer is connected to the Internet?

A. You should use the Manifest Generation and Editing Graphical Tool {MageUI.exe} to change the GradeBook.application settings.

B. You should use the Manifest Generation and Editing Tool {Mage.exe} to change the GradeBook..exe.manifest settings.

C. You should use the Manifest Generation and Editing Graphical Client Tool {MageUI.exe} to change the GradeBook.exe.manifest settings.

D. You should use the Manifest Generation and Editing Tool {Mage.exe} to change the GradeBook.application settings.

Answer: A

Explanation: The Mage.exe is used to change the GradeBook.application settings. It also helps to manage a published application.

Incorrect Answers:

C: The MageUI.exe provides a graphical user interface for managing a published application.

B, D: The GradeBook.exe cannot change the update requirements. The GradeBook.exe.manifest allows you to specify an application's associated files. It also cannot change the launch requirements of the application with the GradeBook.exe.manifest file.

QUESTION 64

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS002 as developing collateral. You are busy developing a Setup project.

What should you do to configure the project so that the built package can be installed on 32-bit and 64-bit computers?

- A. You should set the TargetPlatform property to x64.
- B. You should set the TargetPlatform property to x86.
- C. You should set the Version property to 64.
- D. You should set the Version property to 32.

Answer: B

Explanation: The x86 setting allows a package to be installed on 32-bit and 64-bit computers.

Incorrect Answers:

A: The x86 setting will cause an error to be raised when the package is installed on a 32-bit system..

C, D: The Version property identifies the version of the installer package itself.

QUESTION 65

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS005 as developing collateral. You are busy developing a Microsoft Windows Forms application. You want the users to download or run a Microsoft Windows Installer package from Certkiller .com's Web site to install the application.

Which of the following deployment project should you create?

- A. Setup Project
- B. CAB Project
- C. Merge Module Project
- D. Web Setup Project

Answer: A

Explanation: The Setup Project allows you to install Window-based applications.

Incorrect Answers:

B: The CAB Project is used to package components.

- C: The Merge Module Project allows you to install shared components.
 - D: The Web Setup Project allows you to install Web applications.
-

QUESTION 66

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS005 as developing collateral. You are busy developing a Microsoft Windows Forms application. The applications that you are developing are using shared assemblies that must be installed into the Global Assembly Cache (GAC).

What should you do to develop a deployment strategy?

- A. You should create a CAB project that contains the application.
- B. You should use the XCOPY to deploy the application.
- C. You should use the ClickOnce to deploy the application.
- D. You should create a Window Forms Setup application

Answer: D

Explanation: The Window Forms Setup application can accomplish this by creating and configuring a Setup project to deploy a Microsoft Windows Installer package.

Incorrect Answers:

- A: The CAB Project is used to package components.
 - B: The XCOPY cannot install assemblies into the GAC by using XCOPY.
 - C: The ClickOnce cannot be used to install shared assemblies into the GAC.
-

QUESTION 67

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS009 as developing collateral. You are busy developing a Microsoft Windows Forms application. You then change the default configuration to package files as loose uncompressed files. You also need to make sure that the .NET Framework 2.0 redistributable component exits after you build the Setup project.

Which of the following components should look for in the Setup project's output directory?

- A. RegSvcs.exe
- B. Dotnetfx.exe
- C. InstallUtil.exe
- D. RegAsm.exe

Answer: B

Explanation: The Dotnetfx.exe needs to exist in the output directory, which uses the .NET Framework 2.0 redistributable package.

Incorrect Answers:

A: The RegSvcs.exe is the .NET Services Installation tool. It allows you to register an assembly for use with COM+.

C: The InstallUtil.exe allows you to execute custom installers that are associated with an assembly. .

D: The RegAsm.exe allows you to register an assembly for use with COM+.

QUESTION 68

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS209 as developing collateral. You are busy creating a class that derives from Installer. The class that you created is used by Microsoft Windows Forms application to install a custom component which uses an existing Microsoft Access database.

Which exception type should you use if the database does not exist at installation time and you need to throw an exception and have the installation rolled back?

- A. You should install InstallException
- B. You should install ApplicationException
- C. You should install SqlException
- D. You should install FileNotFoundException

Answer: A

Explanation: The InstallException passes information to the Microsoft Windows Installer and causes the installation to be rolled back.

Incorrect Answers:

B: The ApplicationException will not cause the installation to roll back.

C: The SqlException will not cause the installation to roll back.

D: The FileNotFoundException will not cause the installation to roll back.

QUESTION 69

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS209 as developing collateral. You are busy creating a class that derives from Installer. The class that you created is used by Microsoft Windows Forms setup application to install a custom component which uses an existing Microsoft SQL Server 2005 database. The component throws a

SQLException instance when it cannot connect to the database during installation. What should you do to automatically rollback the installation if the component throws a SQLException instance?

- A. You should catch the SQLException instance and create an instance of InstallException and pass the SQLException instance as the inner exception and then throw the InstallException instance.
- B. You should catch the SQLException instance and create an instance of ApplicationException and pass the SQLException instance as the inner exception and then throw the ApplicationException instance.
- C. You should catch the SQLException instance and re-throw it.
- D. You do not need to catch the SQLException instance as it will propagate up the call stack.

Answer: A

Explanation: This action will pass information to the Microsoft Windows Installer and causes the installation to be rolled back.

Incorrect Answers:

- B: The ApplicationException will not cause the installation to roll back.
- C: The SQLException will not cause the installation to roll back.
- D: The FileNotFoundException will not cause the installation to roll back.

QUESTION 70

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS001 as developing collateral. You have received instructions to make sure that the PictureBox control's properties cannot be changed with a logo that you have added to the PictureBox in the designer of the form base. Before the time you have added a form to the Microsoft Windows Forms Control Library project and add a PictureBox control to the form. The form is presenting CertKiller.com's logo.

What action should you take?

- A. You should set the Locked property to False.
- B. You should set the Locked property to True.
- C. You should set the Modifiers property to Private.
- D. You should set the Modifiers property to Protected.

Answer: C

Explanation:

When you set the Modifiers property to Private, the value will show that only the base form can modify the control.

Incorrect Answers:

- A: You should not set it to False, because the control can be moved and resized.
- B: If you set the property to True the control cannot be removed or resized. .
- D: If you set the Modifiers property to Protected, the value will show that the base form and any of the form yet to come can modify the control.

QUESTION 71

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS001 as developing collateral. You have just included a DateTimePicker control to a form. You then set the format property to Time. During the course of the day, you check how the DateTimePicker control is working, and learnt that it does not allow the Certkiller .com users to change the selected time.

What should you do to change the control so that it will allow the Certkiller .com users to change the selected time?

- A. You should set the ShowUpDown property to True.
- B. You should set the ShowSelectBox property to True.
- C. You should set the Visible property to False.
- D. You should set the Checked property to False.

Answer: A

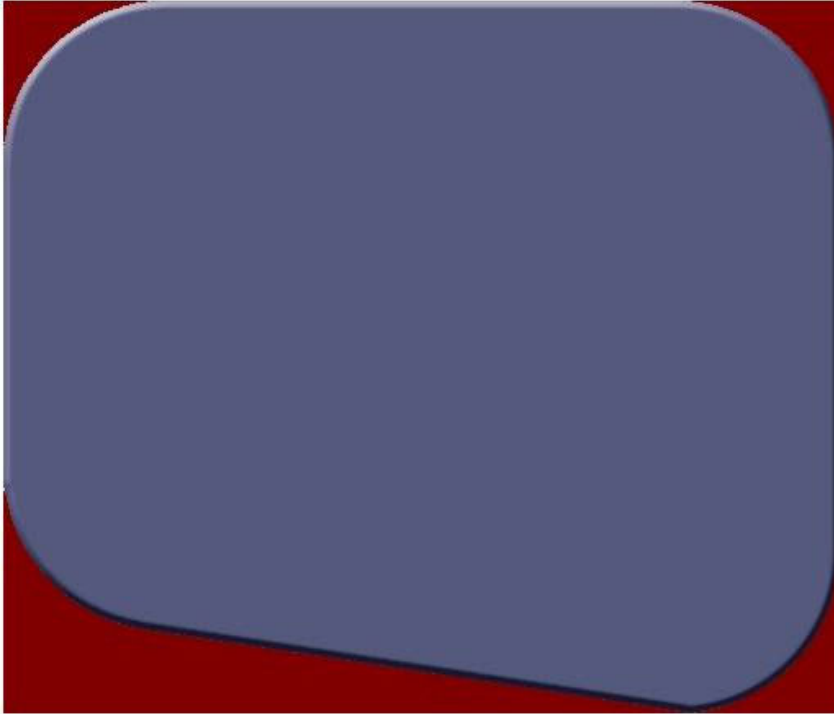
Explanation: The ShowUpDown property is by default set on False. You should set it on True. On False it will show the DateTimePicker must simulate a drop-down control. This setting will allow the users to set the MonthCalendar. If it is set to True the users can select the time.

Incorrect Answers:

- B: The ShowSelectBox will not resolve the problem. This will show if a CheckBox should be displayed on the DateTimePicker.
- C: If you set the Visible property to False, it will hide the DateTimePicker. .
- D: You should not set the Checked property to False. If this is set on True, a CheckBox control will be displayed on the DateTimePicker.

QUESTION 72

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS001 as developing collateral. The manager of Certkiller .com wants to have a borderless form with the background shown in the exhibit.



When the form is view, the manager named Rory Allen does not want the maroon area to be visible. He only wants the blue to be visible when the form is displayed. Which of the following code segments should be used?

- A. `Me.TransparencyKey = Color.Maroon;`
- B. `Me.BackColor = Color.Maroon;`
- C. `Me.TransparencyKey = Color.CornflowerBlue`
- D. `Me.BackColor = Color.Transparent;`

Answer: A

Explanation: The `TransparencyKey = Color.Maroon` specify the color that the transparent represents the area on the form. With this setting the blue will respond to the mouse.

Incorrect Answers:

B: You should not use the `BackColor = Color.Maroon`. This will determine the background color of the form.

C: You should not use this code segment. The manager does not want the blue area to be transparent.

D: You should not use the `BackColor = Color.Transparent`. The manager does not want the background to be transparent.

QUESTION 73

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com.

Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a

client computer named Certkiller -WS020 as developing collateral.

You have configured three columns to a form and add a TableLayoutPanel to the form. You want the two side columns to have a fix width of 200 pixels each and anchor the four edges of the form to the control. A Certkiller .com manager wants the center column to fill the remaining space, when ever the form is resized. You need to change the ColumnStyle instance that represents the center column? How should you set the ColumnStyle instance's Size Type property?

- A. Set it to AutoSize and the Width property to 100F.
- B. Set it to Absolute and the Width property to 100F.
- C. Set it to Percent and the Width property to 100F.
- D. Set it to AutoSize and the Width property to 0F.

Answer: C

Explanation: This setting will show that the column should fill the remaining space.

Incorrect Answers:

- A: This setting will allow the column to be sized enough so that not any of its child controls are clipped. In this setting the middle will not occupy the remaining free space.
- B: If you set it to Absolute, the value of the Width property will show the number of pixels for the column.
- D: You need to set the the ColumnStyle instance's Size Type property to AutoSize and the Width property to 100F.

QUESTION 74

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS020 as developing collateral. You have added a SplitContainer control named Certkiller SplitContainer to a form. You then left the control to the default properties. To the right-most container of the SplitContainer control, you need to add a PropertyGrid.

Which of the following code segments should you use?

- A. Dim propertyGrid As PropertyGrid = New PropertyGrid
Dim rightPanel As Panel = _
CType[Certkiller SplitContainer.GetContainerControl, Panel]
rightPanel.Controls.Add[propertyGrid]
- B. Dim propertyGrid As PropertyGrid = New PropertyGrid
Certkiller SplitContainer.Container.Add[propertyGrid, "RightPanel"]
- C. Dim propertyGrid As PropertyGrid = New PropertyGrid
Dim rightPanel As Panel = _
CType[Certkiller SplitContainer.GetNextControl[propertyGrid, True], Panel]
rightPanel.Controls.Add[propertyGrid]
- D. Dim propertyGrid As PropertyGrid = New PropertyGrid

Certkiller.SplitContainer.Panel2.Controls.Add[propertyGrid]

Answer: D

Explanation: An area can be divided into two containers, which is separated by a movable bar, if you use the SplitContainer control. When the two Panels are created, the left one is the Panel1 and the right is Panel2. You are adding a panel so it will be on the right. You then need to specify Panel2.

Incorrect Answers:

A, B, C: You should not use the Add method of the SplitContainer.Container to add the PropertyGrid. You also should not pass a PropertyGrid instance to the GetNextControl method to return a Panel instance. This will actually retrieve the next tab-ordered control given the current control. You also should not call the GetContainerControl method to return a Panel instance. This will return the logical container of the SplitContainer control.

QUESTION 75

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS020 as developing collateral. You are busy to develop a Microsoft Windows Forms exam delivery application. This is going to be used to access the content of the exam via the Internet. A WebBrowser named testbrowser is added to the control to a form named Certkiller Form, which is define as follows:

```
<PermissionSet[SecurityAction.Demand, Name:="FullTrust"]> _
```

```
<System.Runtime.InteropServices.ComVisible[true]> _
```

```
Partial Public Class Certkiller Form
```

```
Inherits Form
```

```
Public Sub New[]
```

```
InitializeComponent[]
```

```
End Sub
```

```
Public Sub Expire[]
```

```
End Sub
```

```
End Class
```

The JavaScript-based timer that is used by the Web site for the exam has a function to inform the exam delivery application when the time has expired for the exam, which is the following:

```
window.external.Expire[];
```

What should you do to make sure that the Expire method of Certkiller Form is called when the JavaScript function is carry out?

A. You should set the Document.DomDocument property of the browser instance to the current instance of the Certkiller Form class.

B. You should set the ObjectForScripting property of the browser instance to the current

instance of the Certkiller Form class.

C. You should call the AttachEventHandler of the Document property of the browser instance.

D. You should call the ExecCommand method of the Document property of the browser instance.

Answer: B

Explanation: You must set the ObjectForScripting for the browser instance to the current instance of the Certkiller Form class.

Incorrect Answers:

A: The property of the Document.DomDocument represents the true DOM object of an HTML document.

C: The AttachEventHandler allows you to attach a HTML Document Object Model event to an event handler.

D: The ExecCommand method allows you to execute commands against DOM documents.

QUESTION 76

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS003 as developing collateral. You have received instructions to make sure that the PictureBox will display dynamically loaded images.

Which property will display a static image if any dynamic image fails to load?

A. BackgroundImage

B. Image

C. ErrorImage

D. InitailImage

Answer: C

Explanation: The ErrorImage property specifies the image that should be displayed. This will happened only if the image that you are trying to load dynamically fails.

Incorrect Answers:

A: The BackgroundImage property specifies a background image which is used by the control.

B: The Image property specifies the image you want the PictureBox control to display.

D: The InitailImage specifies the image you want the PictureBox control to display while the other one is loading.

QUESTION 77

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS020 as developing collateral. You are developing a Web service for new updates to query automatically, by use of a Microsoft Windows Forms application. You then add a NotifyIcon component named Certkiller notify to the application's main form. Whenever a new update is available you want the following balloon tip to display as seen in the exhibit for 5 seconds.



Which segment should you use to write a code to download the updates if the users click the balloon tip?

- A. Private Sub Show.BallonTip[]
 Certkiller notify.ShowBallonTip[5000]
 Certkiller notify.BalloonTipIcon = ToolTipIcon.Info
 Certkiller .Balloon TipTitle = "New Update Available"
 Certkiller .BalloonTipText = "Click here to download"
 AddHandler Certkiller notify.Click,AddressOf Handler
 End Sub
 Public Sub Handler[ByVal sender As Object, ByVal e As EventArgs]
 'Download the updates
 End Sub
- B. Private Sub Show.BallonTip[]
 Certkiller notify.BalloonTipIcon = ToolTipIcon.Info
 Certkiller .Balloon TipTitle = "New Update Available"
 Certkiller .BalloonTipText = "Click here to download"
 AddHandler Certkiller notify.Click,AddressOf Handler
 Certkiller notify.ShowBallonTip[5000]
 End Sub
 Public Sub Handler[ByVal sender As Object, ByVal e As EventArgs]
 'Download the updates
 End Sub
- C. Public Sub Handler[ByVal sender As Object, ByVal e As EventArgs]
 'Download the updates
 End Sub
 Private Sub Show.BallonTip[]
 AddHandler Certkiller notify.BalloonTipClicked,AddressOf Handler
 Certkiller notify.ShowBallonTip[5000, "New Update Available", _
 "Click here to download", ToolTipIcon.Info];
 End Sub

```
D. Private Sub Show.BallonTip[]  
Certkiller notify.ShowBallonTip[5, "New Update Available", _  
"Click here to download", ToolTipIcon.Info]  
AddHandler Certkiller notify.BalloonTipClicked,AddressOf Handler  
End Sub  
Public Sub Handler[ByVal sender As Object, ByVal e As EventArgs]  
'Download the updates  
End Sub
```

Answer: C

Explanation: You should use an event handler, attach the BalloonTipClicked to the event and call the ShowBalloon Tip method of the NotifyIcon class. When a user clicks a balloon tip, a BalloonTipClicked event is raised.

Incorrect Answers:

A, B, D: You should not attach the BalloonTipClicked even to an event handler after you have called the ShowBalloonTip method. Also note that the event is raised when the icon is clicked and not the balloon tip.

QUESTION 78

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS020 as developing collateral. You are busy adding a MenuStrip control, which has an instance of a ToolStripMenuItem item named testjobItem, to a form in a Microsoft Windows Forms application. This item's display text is Job. You have received instructions to add two menu items to the Job menu item. The first item's display text should be Create New Job, and the second one is Run Job.

Which code segment should you use to programmatically add the two menu items?

```
A. Dim createNewJobItem As ToolStripMenuItem = _  
New ToolStripMenuItem["Create New Job"]  
Dim runJobItem As ToolStripMenuItem = New ToolStripMenuItem ["Run Job"]  
Dim item[] As ToolStripMenuItem = _  
New ToolStripMenuItem[] {create NewJobItem, runJobItem}  
jobItem.DropDownItem.AddRangr[Items]  
B. Dim createNewJobItem As ToolStripMenuItem = _  
New ToolStripMenuItem["Create New Job"]  
Dim runJobItem As ToolStripMenuItem = New ToolStripMenuItem ["Run Job"]  
jobItem.Container.Add[createNewJobItem  
jobItem.Container.Add[runJobItem]  
C. Dim createNewJobItem As ToolStripMenuItem = _  
New ToolStripMenuItem["Create New Job"]  
Dim runJobItem As ToolStripMenuItem = New ToolStripMenuItem ["Run Job"]
```



```
Dim item[] As ToolStripMenuItem = _  
New ToolStripMenuItem[] {create NewJobItem, runJobItem}  
jobItem.Owner.Items.AddRange(items)  
D. Dim createNewJobItem As ToolStripMenuItem = _  
New ToolStripMenuItem["Create New Job"]  
Dim runJobItem As ToolStripMenuItem = New ToolStripMenuItem ["Run Job"]  
jobItem.Owner.Items.Add[create NewJobItem]  
jobItem.Owner.Items.Add[runJobItem]
```

Answer: C

Explanation:

For the jobItem instance you should call the AddRange. The property of the DropDownItems represents a collection of child items of the jobItem instance, which allows you to add the two items to the job menu item.

Incorrect Answers:

A: This property returns an instance of IContainer, which represents a logical container for other components.

B: The Owner property returns the Menu script instance that owns the ToolStripMenuItem instance.

D: This action will add the two new menu at the same level as the Job menu item.

QUESTION 79

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS020 as developing collateral. You were busy with a task to add a ContextMenuStrip control to a form.

What should you do to display a custom control as a menu item of the ContextMenuStrip control?

A. Add a ToolStripContainer control to the form and add the custom control to the Controls collection residing on the toolStripContainer control. You should then add the ContextMenuStrip control to the controls of the ToolStripContainer control.

B. Of ToolStripControlHost, create an instance and specify your custom control instance as a parameter to the constructor. You should then the ToolStripControlHost instance to the Items collection of the ContextMenuStrip control.

C. Add a ToolStripContainer control to the form and add the custom control to the Controls collection residing on the toolStripContainer control. You should then add the ToolStripContainer control to the controls of the ContextMenuStrip controls.

D. Of ToolStripControlHost, create an instance and specify your custom control instance as a parameter to the constructor. You should then the ContextMenuStrip controls to the collection of the ToolStripControlHost instance.

Answer: B

Explanation:

The ToolStripControlHost class to host a custom control as a menu item in the ContextMenuStrip. You should also the custom control instance as the parameter to the constructor.

Incorrect Answers:

A, C, D: The ToolStripContainer should not be used to reach your goal. Furthermore, you cannot host a ToolStripContainer control as the menu item in a ContextMenuStrip controls.

QUESTION 80

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS103 as developing collateral. A Certkiller .com manager named Andy Booth has asked you to develop a custom control that exposes a custom event. The custom event should be of such a caliber that the event handler for the event is automatically added to the code when you double-click the control in the designer.

How should you configure the control?

- A. Apply the DefaultEvent attribute the class that presents the custom control and specify the name of the event as a parameter to the attribute.
- B. Override the OnDoubleClick method on the Control class and call the AddEventHandler method of the EventDescriptor class.
- C. Override the OnDoubleClick method on the Control class and call the AddEventHandler method of the EventInfo class.
- D. Apply the DefaultEvent attribute the class that presents the custom control and specify the name of the event handler method as a parameter to the attribute.

Answer: A

Explanation: The DefaultEvent attribute specifies the name of the event for which an event handler should be created, when double-clicking the control in the designer.

Incorrect Answers:

B: You should not do this. This allows you to programmatically attach each event handler to an event, discovered via reflection.

C: Doing this, will allow you to programmatically attach each event handler to an event, discovered via reflection. You then cannot use this to generate a code for the event.

D: This specifies the name of the event as a parameter.

QUESTION 81

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com.

Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS133 as developing collateral. A Certkiller .com manager named Andy Booth has asked you to create a custom control. You want to custom control to take action when a user presses the Alt+D keys. It must be of such a nature that it allows you to prevent other control from receiving instructions that the Alt+D keys are pressed.

What should you do?

- A. Handle the KeyDown event.
- B. Override the OnKeyDown method.
- C. Override the OnKeyPress method.
- D. Handle the KeyPress event.

Answer: B

Explanation: The OnKeyDown method specifies a KeyEventArgs instance as a parameter. The KeyEventArgs class also contains a Modifier keys that were pressed.

Incorrect Answers:

A: This will stop other controls from getting instructions that the Alt+D keys were pressed.

C: The OnKeyPress is invoked when you press a key. Overriding the OnKeyPress will not allow you to find the combination of the modifier keys that was pressed.

D: The KeyPress event is raised when a key is pressed. This will not allow you to find the combination of the modifier keys that was pressed.

QUESTION 82

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS006 as developing collateral. You have called a stored procedure that returns a row set that has data about electrical chips. You then load the part data in a DataSet instance named testDataSet. The DataSet has a single Data Table instance. The DataTable instance's TableName property is set to Part.

Which code segment should you use to display the part data in a DataGridView control named testDataGridView?

- A. `testdataGridView.DataSource = testDataSet.Tables[0]`
`testdataGridView.DataMember = "Part"`
- B. `testdataGridView.DataSource = testDataSet.Tables ["Part"]`
`testdataGridView.DataMember = "DataTable"`
- C. `testdataGridView.DataSource = testDataSet`
`testdataGridView.DataMember = "Part"`

D. testdataGridView.DataSource = testdataSet
testdataGridView.DataMember = "TableName.Part"

Answer: C

Explanation: To obtain your objective you should set the DataGridView control DataSource property to the DataSet instance. You also should set the DataGridView control DataSource property to theDataMember property to part.

Incorrect Answers:

A, B, D: It is not good if you set the DataMember property if you set the DataSource property to the DataTable instance which signifies the Part data. Furthermore, you should not set the DataMember property to TableName.Part.

QUESTION 83

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS003 as developing collateral. You are busy adding a TextBox control named Certkiller TextBox to a form. You are doing this by dragging a Contact field from the Data Sources window to the form. The data of the Text properties of the Certkiller TextBox is part of the Contact field. To navigate the records in a data source, you added two Button controls to the form. Which code segment should you use to programmatically move the next record and display the new value of the Certkiller TextBox's Contact field when the Certkiller .com users click one of the Button controls?

- A. Dim binding As Binding = Certkiller TextBox.DataBindings["Text"]
binding.BindingManagerBase.Position += 1
- B. Dim binding As Binding = Certkiller TextBox.DataBindings["Contact"]
binding.BindingManagerBase.Position += 1
- C. Certkiller TextBox.BindingContext["Text"].Position += 1
- D. Certkiller TextBox.BindingContext["Contact"].Position += 1

Answer: A

Explanation: The Windows Forms control has a DataBindings property that represents a collection of Binding instances. When data source members change, the Binding class allows a control's property to be updated automatically.

Incorrect Answers:

B, C, D: When you pass the value Contact as the parameter to the DataBindings property, you should not get a Binding instance ManagerBase instance. Furthermore you should not pass the name of the property as a parameter to the BindingContext property.

QUESTION 84

You are working as an application developer at Certkiller .com. The Certkiller .com

network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS006 as developing collateral. You are busy adding a ComboBox control name testComboBox to a form. Which code segment should you use to populate the ComboBox with a list of valid Microsoft SQL Server instances which is registered on the system where the application is running?

```
A. DimdataTable As DataTable = SqlDataSourceEnumerator.Instance.GetDataSource[]
testComboBox.DataSource = dataTable
testComboBox.DisplayMember = "{ServerName}\{InstanceName}"
testComboBox.ValueMember = "InstanceName"
testComboBox.FormatString = "{0}{1}"
B. Dim dataTable As DataTable = SqlDataSourceEnumerator.Instance.GetDataSource[]
Dim row As DataRow
For Each row In dataTable.Rows
Dim dataSource As String = CType[row["ServerName"], String]
If row["InstanceName"] IsNot DBNull.Value Then
dataSource += string.Format("{0}",row["ServerName"])
End If
testComboBox.Items.Add(dataSource)
Next
C. DimdataTable As DataTable = SqlDataSourceEnumerator.Instance.GetDataSource[]
testComboBox.DataSource = dataTable
testComboBox.DisplayMember = "ServerName"
testComboBox.ValueMember = "InstanceName"
D. Dim dataTable As DataTable = SqlDataSourceEnumerator.Instance.GetDataSource[]
Dim row As DataRow
For Each row In dataTable.Rows
Dim dataSource As String = CType[row["InstanceName"], String]
If row["InstanceName"] IsNot DBNull.Value Then
dataSource += string.Format("{0}",row["ServerName"])
End If
testComboBox.Items.Add(dataSource)
Next
```

Answer: B

Explanation: The SqlDataSourceEnumerator class permits you to enumerate registered SQL server instances. If you want to get hold of the instance, you should call the GetDataSource method. This will return an instance of four columns.

Incorrect Answers:

A, C, D: You do not need to set the DataSource property of testComboBox to the DataTable instance returned from GetDataSource. This will not display the values from the ServerName and InstanceName field as a single value.

QUESTION 85

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS005 as developing collateral. One of the assistant application developers named Rory Allen were asked to execute two SQL commands which can update the data in separate Microsoft SQL Server 2005 databases. When ever the second command fails, the first command should be rolled back.

What should Rory Allen do?

- A. Execute both the commands within a single TransactionScope block and call the Complete method of the TransactionScope instance if both commands execute successfully.
- B. Execute both the commands in separate TransactionScope block and call the Complete method of the second TransactionScope instance if both commands execute successfully.
- C. Execute both the commands within a single TransactionScope block and call the Complete method of the TransactionScope instance if each command executed successfully.
- D. Execute both the commands in separate TransactionScope block and call the Complete method of the TransactionScope instance if each command executed successfully.

Answer: A

Explanation: Both of the commands should be executed within a single TransactionScope block. This will allow both of the commands to execute within the same context of the same transaction.

Incorrect Answers:

B, D: You should not execute each command in a separate TransactionScope block. Both of the commands should be executed within a single TransactionScope block.

C: Before the second command succeeds, you should not call the Complete method.

QUESTION 86

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS002 as developing collateral. You have received instructions to call a stored procedure that return images from a Microsoft SQL Server 2005 database. You want to use the SqlDataReader class to read the returned images.

To ensure that each image is returned as a Stream instance that can be read on demand, what should you do?

- A. To the ExecuteReader method of a SqlCommand instance, specify CommandBehavior.SequentialAccess as a parameter.
- B. For the SqlConnection instance that represents the database connection, set the Packet Size connection string property to 0.
- C. For a SqlCommand instance, call the Prepare method followed by the ExecuteNonQuery method.
- D. Call the BeginTransaction method of a SqlConnection instance and specify IsolationLevel.Serializable as a parameter.

Answer: A

Explanation: You need to specify CommandBehavior.SequentialAccess as a parameter. The Microsoft .NET DataProvider for SQL Server will load the returned data as steam.

Incorrect Answers:

- B: You should not set the size to 0. This will not instruct the Microsoft .NET DataProvider for SQL Server will load the returned data as steam.
- C: The ExecuteNonQuery method executes SQL commands and does not return row sets.
- D: The IsolationLevel.Serializable enumeration member shows that a lock should be placed to prevent transactions from updating or inserting rows into the DataSet instance.

QUESTION 87

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS002 as developing collateral. You have received instructions to import data from a flat file into a into a Microsoft SQL Server 2005 database table.

What should you do to use the SqlBulkCopy class to import the data?

- A. From the flat file, import data into a DataTable instance.
- B. Make sure that the column order in the database table matches the field order in the flat file.
- C. Create a stored procedure to copy the data to the database table.
- D. Put the Bcp.exe tool in the output directory of the assembly that has the code.

Answer: A

Explanation: You need to import data into a DataTable instance.

Incorrect Answers:

- B: You do not need to make sure that the column order in the database table matches the field order in the flat file.
- C: There is no need to create a stored procedure to copy the data to the database table.
- D: The Bcp.exe tool is a command line that is the equivalent of the managed SqlBulkCopy class. You do not need that.

QUESTION 88

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS002 as developing collateral. You have received instructions to create a DataSet diagram that models a one-to-many relationship between patients and treatments as seen in the exhibit:

Relation

Name: PatientTreatment

Specify the keys that relate tables in your dataset.

Parent Table: Patient Child Table: Treatment

Columns:

Key Columns	Foreign Key Columns
PatientID	PatientID

Choose what to create

☐ Both Relation and Foreign Key Constraint

☐ Foreign Key Constraint Only

☒ Relation Only

Update Rule: None

Delete Rule: None

Accept/Reject Rule: None

☐ Nested Relation

OK Cancel

When you serialize instance of the created DataSet component you, you received the following XML:

```
<Patient>
<PatientID>526</PatientID>
<PatientName>Amy Walsh</PatientName>
</Patient>
<Treatment>
<TreatmentID> 1000</TreatmentID>
<PatientID>526</PatientID>
<Code>DTP</Code>
</Treatment>
```

The XLM should be as follows

```
<Patient>
<PatientID>526</PatientID>
<PatientName>Amy Walsh</PatientName>
```



```
<Treatment>  
<TreatmentID> 1000</PatientID>  
<Code>DTP</Code>  
</Treatment>  
</Patient>
```

What should you do to change the dialog box so that the XLM is generated correctly?

- A. You should select the Treatment from the Parent Table list and the Patient from the Child Table list.
- B. You should select the Both Relation and Foreign Key Constraint option.
- C. You should select the Foreign Key Constraint Only option.
- D. You should select the Nested Relation option.

Answer: D

Explanation: The Nested Relation option will indicate that elements that are the same as the child rows of the relation should be nested as child elements that corresponds to the parent row.

Incorrect Answers:

- A: You should not do this. A one-to-many relation exists between the patients and treatments.
- B: This will show that no relation exists between the two tables.
- C: This will create a foreign key constraint between the child table and the parent table.

QUESTION 89

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS003 as developing collateral. You are busy using the XmlDocument class to control an XML document. If the XML attribute is modified and inserted, you need to perform validation and return the XmlDocument instance to the original state if the validation fails. Which of the following events should you use to handle the events of the XmlDocument class?

- A. NodeChanged and NodeInserting
- B. NodeChanged and NodeInserted
- C. NodeChanging and NodeInserted
- D. NodeChanging and NodeInserting

Answer: D

Explanation: When the Xml node is about to change, an NodeChanging event is raised. So you need to handle the NodeChanging and NodeInserting events.

Incorrect Answers:

A: When the node has changed and then the event is raised, it will be too late. You should not handle the NodeChanged event.

B: When the node has changed and then the event is raised, it will be too late. You should not handle the NodeChanged event. The NodeInserted will also raise after the event has happened.

C: You should not handle the NodeChanged event. The NodeInserted will also raise after the event has happened.

QUESTION 90

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS006 as developing collateral. You have to read large amounts of XML data. The data resides on an external data source. You need to read the XML data and validate it as it is read.

Which of the following classes should you use which will be most memory-efficient way?

- A. DataSet
- B. XmlReader
- C. XmlDataDocument
- D. XmlDocument

Answer: B

Explanation: If large amount of data is read, you should use the XMLReader class. It represents a forward-only and read-only. This is a very efficient way because the document does not need to be loaded into the memory.

Incorrect Answers:

A: The DataSet represents disconnected relational data and the data need to be in the memory.

C: The XmlDataDocument implements the functionality of the XmlDocument class and the DataSet class.

D: The XmlDocument implements the XML Document Object Model.

QUESTION 91

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS006 as developing collateral. You are busy using the XmlWriter class to write large amount of XML data to a physical device via a buffer stream.

Which method should you use to write all buffered data in the stream to the device

without losing any buffered data?

- A. WriteFullEndElement
- B. Flush
- C. Close
- D. WriteEndDocument

Answer: B

Explanation: The flush method flushes the underlying stream by writing all buffered data to the underlying device and it does not lose any data.

Incorrect Answers:

- A: The WriteFullEndElement method closes the current document which is open.
- C: The Close method closes the underlying stream. This will cause you to lose data.
- D: The WriteEndDocument method closes all the open documents.

QUESTION 92

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS066 as developing collateral. The manager has told you to develop a Microsoft Windows Forms application which has printing capabilities.

From which of the following base should you derive your class to create a class that will show you the required dialog box?

- A. PageSetupDialog
- B. PrintControllerWithStatusDialog
- C. PrintDialog
- D. PrintPreviewDialog

Answer: B

Explanation: You should get your class from the PrintControllerWithStatusDialog. This will allow you to extend the PrintController.

Incorrect Answers:

- A: The PageSetupDialog presents the standard Page Setup dialog box. The dialog box does not show the status of a print.
- C: The PrintDialog shows the Print dialog box.
- D: The PrintPreviewDialog shows the Print Preview dialog box. This will not display the status of the print job.

QUESTION 93

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com.

Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS009 as developing collateral. You are busy developing a Microsoft Windows Forms resume builder application.

Which code segment should you use to allow users to see a printed resume without printing the document? (Use a modal dialog box)

- A. Dim dialog As PrintDialog = New PrintPreviewDialog
dialog.Document = document
dialog.Show[]
- B. Dim dialog As PrintDialog = New PrintPreviewDialog
dialog.Document = document
dialog.ShowDialog[]
- C. Dim dialog As PrintDialog = New PrintDialog
dialog.Document = document
dialog.ShowDialog[]
- D. Dim dialog As PrintDialog = New PrintDialog
dialog.Document = document
dialog.UseEXDialog = true
dialog.ShowDialog[]

Answer: B

Explanation: The PrintPreviewDialog class represents the standard Print Preview dialog box. With this you can preview the document before you print it.

Incorrect Answers:

A, C, D: The Show method shows a modeless dialog box and not the modal dialog box. The PrintDialog class represents the standard Print dialog box. It does not allow you to preview the document.

QUESTION 94

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS009 as developing collateral. You are busy creating a PrintDocument instance that represents a report to print.

Which of the following event will programmatically change the page settings of individual pages as they are printed?

- A. QueryPageSettings
- B. BeginPrint
- C. PrintPage
- D. EndPage

Answer: A

Explanation: The QueryPageSettings is raised before the printing starts. You can then modify the page.

Incorrect Answers:

B: The BeginPrint is raised before the first page is print. You need this for multiple page settings.

C: The PrintPage raise an event when a page is print, you cannot change settings at that stage.

D: The EndPage is shown when the print job is finished.

QUESTION 95

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. Certkiller .com consists of a Development department and a Finance department. You as the developer of Certkiller .com use a client computer named Certkiller -WS003 as developing collateral. You are busy creating a component that allows the users in the Finance department to print daily reports. You want the component to grant permission to access all the printers on the client computers of the users. What should you do to programmatically specify security to stop a full stack walk from being performed when the component prints the report?

- A. Call the Demand method on a fully-restricted PrintingPermission instance.
- B. Call the Demand method on an unrestricted PrintingPermission instance.
- C. Call the Assert method on a fully-restricted PrintingPermission instance.
- D. Call the Assert method on an unrestricted PrintingPermission instance.

Answer: D

Explanation: For you to create an unrestricted PrintingPermission, you should create an instance of the PrintingPermission class and pass the PrintingPermissionLevel.AllPrinting enumeration member or the PermissionState.Unrestricted enumeration member as a parameter.

Incorrect Answers:

A, B: The

Demand method will demand that a stack walk be performed to find out if all callers higher in the stack have permission to print. This is then done for each document that needs to be printed.

C: The Assert method on a fully-restricted PrintingPermission instance is the same as not demanding permission to print.

QUESTION 96

You are working as an application developer at Certkiller .com. The Certkiller .com

network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS009 as developing collateral. You are busy creating a Microsoft Windows Forms applications for the security agency. The application is used to print security-related documents. They also want the document to be watermarked on each page.

From which base class would you obtain your class to create a class that meets the requirements?

- A. PrintDocument
- B. PrintPreviewControl
- C. PrintController
- D. PrintPreviewDialog

Answer: A

Explanation: The PrintDocument allows you to override the OnPrintPage method which will print a secure watermark on each page.

Incorrect Answers:

B: The PrintPreviewControl represents a customized print preview control. You then can add this to the form but you cannot customize the printing process.

C: The PrintController allow you to control the printing process but cannot force secure watermarks.

D: The PrintPreviewDialog shows the Print Preview dialog box. You cannot customize the printing process.

QUESTION 97

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS009 as developing collateral. You were given instructions to develop a print driver license. The component that you will use should grant permission to access all the printers that are connected to the client computers.

What should you do to step by step specify security to make sure that applications cannot use your component unless they are granted an unrestricted printing permission?

- A. Call the Demand method on a PrintingPermission instance with the Level property set to PrintingPermissionLevel.AllPrinting.
- B. Call the Demand method on a PrintingPermission instance with the Level property set to PrintingPermissionLevel.NoPrinting.
- C. Call the Assert method on a PrintingPermission instance with the Level property set to

PrintingPermissionLevel.AllPrinting.

D. Call the Assert method on a PrintingPermission instance with the Level property set to PrintingPermissionLevel.NoPrinting.

Answer: A

Explanation: When using the Demand method, it demands the callers in a higher stack a specific permission. The applications that are granted unrestricted printing permissions can use the print driver license.

Incorrect Answers:

B: The Demand method on a PrintingPermission is the same as permission to print.

C, D: The Assert method, you can make sure that the code is secure and prevent a full stack walk from whether all callers in the call stack are granted the permission.

QUESTION 98

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com.

Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS006 as developing collateral. You are busy creating a Microsoft Windows Forms applications with printing support. You were asked to raise a custom event named PageChanged.

From which base class would you obtain your class to create a class that meets the requirements with the minimal code changes?

- A. PrintDocument
- B. PrintPreviewControl
- C. PrintController
- D. PrintPreviewDialog

Answer: B

Explanation: The PrintPreviewControl represents a customized print preview control. You can also raise custom events.

Incorrect Answers:

A: The PrintDocument is a document that can be printed.

C: The PrintController allow you to control the printing process but not to preview the document.

D: The PrintPreviewDialog shows the Print Preview dialog box.

QUESTION 99

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com.

Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department and a Finance department. You as the

developer of Certkiller .com use a client computer named Certkiller -WS017 as developing collateral. You are using the PrintPreviewDialog class to permit the users in the Finance department to have a preview of there documents. You need to stop a viewed page in the document from being automatically resized when the dialog box represented by the PrintPreviewDialog instance is resized. What should you do to configure the PrintPreviewControl instance of the PrintPreviewDialog instance?

- A. You should set the AutoZoom property to True.
- B. You should set the Zoom property to 100.
- C. You should set the Zoom property to 1.
- D. You should set the AutoZoom property to False.

Answer: D

Explanation: If it is set to False, it will show that the page should not automatically be resized when the dialog box is resized.

Incorrect Answers:

A: If the AutoZoom property is set to True, it will show that the page be resized when the dialog box is resized.

B, C: Setting the value to 100 percent which is the same as 1, will support a decimal value that shows the zoom level of the previewed page. This has not effect when the page is automatically resized.

QUESTION 100

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department and a Graphics department. You as the developer of Certkiller .com use a client computer named Certkiller -WS009 as developing collateral. You are busy creating an instance of the PrintPreviewControl class named graphicprintPreviewControl to allow the users in the Graphics department to preview their printed documents.

Which code segment is used to default the preview to a zoom level of 50 percent and avert text from appearing jagged?

- A. `printPreviewControlZoom = 0.5`
`printPreviewControl.UseAntiAlias = true`
- B. `printPreviewControlZoom = 0.5`
`printPreviewControl.UseAntiAlias = false`
- C. `printPreviewControlZoom = 50`
`printPreviewControl.UseAntiAlias = false`
- D. `printPreviewControlZoom = 0.05`
`printPreviewControl.UseAntiAlias = true`

Answer: A

Explanation: The 0.5 is the same as 50 percent. You must set the UseAntiAlias to true.

Incorrect Answers:

B, C: You must not set the UseAntiAlias to false. This will disable anti-aliasing.

D: This setting is wrong, 0.05 is not 50 percent.

QUESTION 101

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS123 as developing collateral. The following code was added to add a PrintPreviewControl instance to a Panel control named testpanel.

```
Dim printPreview As PrintPreviewControl = New PrintPreviewControl[]  
printPreview.Columns = 2  
printPreview.Rows = 2  
printPreview.Dock = DockStyle.Fill  
testpanel.Controls.Add[printPreview]
```

When you run the application that has this code, you received the following message on the Panel control.

Document does not contain any pages.

What must you do to allow a page to be displayed, when running the application?

- A. You should set the StartPage property of printPreview to 1
- B. You should set the Visible property of printPreview to true
- C. You should call the Show method of printPreview
- D. You should set the Document property of printPreview to an instance of PrintDocument

Answer: D

Explanation: To display a preview of a document when the Document property is set, you should use the PrintPreviewControl.

Incorrect Answers:

A: The StartPage property has no effect if the Documentproperty is not set to a PrintDocument instance.

B: This shows that the controls should be visible.

C: The property has no effect if the Documentproperty is not set.

QUESTION 102

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a

client computer named Certkiller -WS059 as developing collateral. You are busy to develop a Microsoft Windows Forms application that allows the computer engineers to design circuit boards for different types of hardware. You then create a custom control that portrays the design surface.

Which of the following event should you handle so that you can highlight the available areas on the design surface where a component can be dropped?

- A. DragEnter
- B. QueryContinueDrag
- C. GiveFeedback
- D. DragOver

Answer: D

Explanation: The DragOver event will be raised if the mouse pointer will move over a control during a drag-and-drop action.

Incorrect Answers:

A: The DragEnter event will raise only if the mouse pointer enters a control during a drag-and-drop action.

B: The QueryContinueDrag event is raise when the mouse or keyboard button state changes.

C: The GiveFeedback event is raised when a drag-and-drop action is started.

QUESTION 103

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS009 as developing collateral. You are busy to develop a Microsoft Windows Forms application that allows the computer engineers to design circuit boards for different types of hardware. The electronic parts exits as nodes, on the main form, which reside in a TreeView control named testtreeView. The TreeView's AllowDrop property is set to false and a Panel control provides the drawing surface. You want the Development users to drag the components to the drawing surface.

Which of the following code segments is used to writ code to begin a drag-and-drop operation?

- A.

```
Public Sub Handler(ByVal sender As Object, ByVal e As EventArgs) _  
    Handler testtreeView.DragLeave  
    DoDragDrop[testtreeView.SelectNode, DragDropEffects.Copy]  
End Sub
```
- B.

```
Public Sub Handler(ByVal sender As Object, ByVal e As EventArgs) _  
    Handler testtreeView.DragEnter  
    DoDragDrop[e.Data.DragDropEffects.Copy]  
End Sub
```

```
C. Public Sub Handler[ByVal sender As Object, ByVal e As ItemDragEventArgs] _  
  Handler testTreeView.ItemDrag  
  DoDragDrop[e.Item, DragDropEffects.Copy]  
End Sub  
D. Public Sub Handler[ByVal sender As Object, ByVal e As EventArgs] _  
  Handler testTreeView.MouseEnter  
  DoDragDrop[testTreeView.SelectNode, DragDropEffects.Copy]  
End Sub
```

Answer: C

Explanation: If you handle the ItemDrag event of the TreeView control, an event will raise when the user begins to drag a node in the TreeView control.

Incorrect Answers:

A, D: The MouseEnter event of the TreeView control should not be used. It will raise an event every time the mouse pointer enters the area which is occupied by the TreeView control. The DragEnter event of the TreeView control should not be used, because the AllowDrop is set to false.

B: The DragLeave of the TreeView control should not be used, because the AllowDrop is set to false.

QUESTION 104

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS009 as developing collateral. You are busy to develop a Microsoft Windows Forms application that has to support the neutral English and all Arabic cultures.

What should you do to make sure that the user interface supports the text flow for the Arabic language?

- A. You should set the Localizable property of each form to True.
- B. You should set the Language property of each form to Arabic.
- C. You should set the RightToLeftLayout property of each form to True.
- D. You should set the RightToLeft property of each form to True.

Answer: D

Explanation: The Arabic script is written from right to left. You have to support the language flow.

Incorrect Answers:

A: The Localizable shows whether the designer should create localized resources to save property value for different cultures. It should not be used.

B: The Language property specifies that culture for the resources to which a designer would save property values.

C: The True setting of RightToLeftLayout will change the control flow from right to left. You want to change the text flow.

QUESTION 105

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS009 as developing collateral. You are busy to develop a Microsoft Windows Forms application that has localized resources for the Arabic language.

Which code segment is used to display all currencies in the format used by Egypt?

- A. Thread.CurrentThread.CurrentUICulture = new CultureInfo["ar"]
- B. Thread.CurrentThread.CurrentCulture = new CultureInfo["ar"]
- C. Thread.CurrentThread.CurrentUICulture = new CultureInfo["ar-EG"]
- D. Thread.CurrentThread.CurrentCulture = new CultureInfo["ar-EG"]

Answer: D

Explanation: The CurrentCulture property specifies the culture to use for formatting numbers, currencies, dates, and time. The culture ar-EG is for the Arabic language in Egypt.

Incorrect Answers:

A, B, C: The CurrentUICulture identifies the culture to be used by a resource manager, which load localized resources. Furthermore, you should not specify the ar to the constructure of CultureInfo. The as value represents a neutral for the Arabic language.

QUESTION 106

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS109 as developing collateral. You are busy to develop a Microsoft Windows Forms application that has localized resources for the French language.

Which code segment is used to automatically load French resources but use the United States format for all currencies, numbers, dates and times?

- A. Thread.CurrentThread.CurrentCulture = new CultureInfo["en-US"]
Thread.CurrentThread.CurrentUICulture = new CultureInfo["fr"]
- B. Thread.CurrentThread.CurrentCulture = new CultureInfo["FR"]
Thread.CurrentThread.CurrentUICulture = new CultureInfo["US"]
- C. Thread.CurrentThread.CurrentCulture = new CultureInfo["US"]
Thread.CurrentThread.CurrentUICulture = new CultureInfo["FR"]
- D. Thread.CurrentThread.CurrentCulture = new CultureInfo["fr-FR"]

Thread.CurrentThread.CurrentUICulture = new CultureInfo("en-US")

Answer: A

Explanation: The CurrentUICulture should be set to the CultureInfo instance that represents the fr neutral culture. The fr neutral culture represents the French language.

Incorrect Answers:

B, C, D: The CurrentCulture property must be avoided, that represents the fr-FR culture. This will give the format for all currencies, numbers, dates and times in French, you want to leave it o the United States format. The en-US will show that the English resources will be locked. Furthermore, you should not set the CurrentCulture property to US. It should be set to specify the culture.

QUESTION 107

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS034 as developing collateral. You are busy to create a MenuStrip control named testmenuStrip to a container form named testcontainerForm in a Microsoft Windows Forms application. The testcontainerForm contains tree child forms.

Which code segment should you sue to create a windows list menu so that each name of each child window is displayed on a ToolStripMenuItem control which was named testmenuItem?

A. testmenuStrip.MdiWindowListItem = menuItem

B. testcontainerFrom.IsMdiContainer = true

C. Dim childForm As Control

For Each childForm In containerForm.Controls

Dim item As ToolStripMenuItem = New ToolStripMenuItem[childForm.Text]

testmenuItem.DropDownItems.Add[item]

Next

D. Dim childForm As Application.OpenForms

For Each childForm In Application.OpenForms

Dim item As ToolStripMenuItem = New ToolStripMenuItem[childForm.Text]

testmenuItem.DropDownItems.Add[item]

Next

Answer: A

Explanation: You need to set the MdiWindowListItem property to the ToolStripMenuItem that has the window list items.

Incorrect Answers:

C, D: A ToolStripMenuItem should not be put in manually of each Form instance. This

collection has all the open form, which has the container form. You also should not add the ToolStripMenuItem manually for each Control instance.

B: The IsMdiContainer should not be set to accomplish the goal.

QUESTION 108

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com.

Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department and a Marketing department. You as the developer of Certkiller .com use a client computer named Certkiller -WS034 as developing collateral. A Certkiller .com user named Mia Hamm is working for the Marketing department. You need to provide her assistance for an input control by automatically show tooltip when she uses the F1 key. You want the tooltip to show enough information. This is, so that Mia Hamm not causing errors by entering the wrong or invalid data.

What should you do to add a component to the form, without manual coding?

- A. You should add a ToolTip component to the form.
- B. You should add a HelpProvider component to the form.
- C. You should add a NotifyIcon component to the form.
- D. You should add an ErrorProvider component to the form.

Answer: B

Explanation: The HelpProvider component allows you to display a tooltip when ever a user presses the F1 key.

Incorrect Answers:

- A: This component will show a tooltip when the mouse pointer hover over a control.
 - C: The NotifyIcon allows you to show icons in the taskbar.
 - D: The ErrorProvider displays a blinking icon when you call its SetError method.
-

QUESTION 109

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com.

Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS014 as developing collateral. You are busy using a BackgroundWorker component, set to its default value, to execute an asynchronous operation.

What should you do to receive notification when the operation completes?

- A. You should handle the ProgressChanged event.
- B. You should handle the RunWorkerCompleted event.
- C. You should call the WaitAny method of the WaitHandle class.
- D. You should call the WaitAll method of the WaitHandle class.

Answer: B

Explanation: The BackgroundWorker class has a method called RunWorkerCompleted, when called; it raises a DoWork event in a separate thread. When ever the background thread is complete, the component raises the RunWorkerCompleted event.

Incorrect Answers:

A: The ProgressChanged is raised when the background thread calls the ReportProgress method.

C: The WaitAny causes the current thread to block until at least one wait handle in the specified WaitHandle array is signaled as complete.

D: The WaitAll causes the current thread to block until one wait handle in the specified WaitHandle array is signaled as complete.

QUESTION 110

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS113 as developing collateral. You are busy using a BackgroundWorker component to execute an asynchronous operation. The job of the background thread is to call the ReportProgress method to update the foreground thread. You have handled the ProgressChanged event and set the Value property of a ProgressBar. The problem is that the ProgressBar display by no means gets updated. During the investigation you find out that the event handler that works with the ProgressChanged event never gets called. What should you do to make sure that the event handler gets called?

- A. You should call the ReportProgress method in the foreground thread.
- B. You should set the WorkerReportsProgress property to True.
- C. You should set the BackgroundWorker component to the value of the Site property returned from the ProgressBar control.
- D. You should set the BackgroundWorker component to the value of the Site property returned from Form control that host the component.

Answer: B

Explanation: The WorkerReportsProgress property shows whether the BackgroundWorker component should raise the ProgressChanged event when the background thread calls the ReportProgress method.

Incorrect Answers:

A: The BackgroundWorker should call the ReportProgress. You should not put it to the foreground.

C, D: The Site property should not be changed. It defined the binding between a control or component and its associate container.

QUESTION 111

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS144 as developing collateral. You are busy using a BackgroundWorker component to call a method named DownloadJob in a background thread.

Which code segment is used to display a message box to alert the users when the background thread is complete?

- A. `if[backgroundWorker.WorkerReportsProgress =false] Then
MessageBox.Show["The download is complete."] End If`
- B. `Public Sub Handler[ByVal As Object, ByVal e As DoWorkEventArgs]
Handles backgroundWorker.RunWorkerCompleted
End Sub`
- C. `if [backgroundWorker.IsBusy=false] Then
MessageBox.Show["The download is complete."] End If`
- D. `Public Sub Handler[ByVal sender As Object, _
ByVal e As RunWorkerCompletedEventArgs]_
Handles backgroundWorker.RunWorkerCompleted
MessageBox.Show["The download is complete."] End Sub`

Answer: D

Explanation: The BackgroundWorker allow you to perform task in a background thread. The BackgroundWorker class has a method called RunWorkerAsync that raises a DoWork event.

Incorrect Answers:

- A: The message only, should not be displayed. This shows whether the BackgroundWorker should raise the ProgressChange event when the background thread calls the ReportProgress method.
- B: The DoWork does not display the message. It raises the background thread to start.
- C: The IfBusy shows whether the background threads is busy.

QUESTION 112

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS023 as developing collateral. You are busy to develop a Microsoft Windows Forms application that performs long-running task that performs in the background thread. The application is of such a kind, that it

does not interoperate with Component Object Model {COM}.

What should you do to configure the application so that the background thread can report the status of the task by calling the ReportProgress method of the BackgroundWorker class?

- A. You should add a ProgressBar control to the form that hosts the BackgroundWorker component.
- B. You should apply the MTAThread attribute to the Main method of the application.
- C. You should apply the STAThread attribute to the Main method of the application.
- D. You should set WorkerReportProgress property of the BackgroundWorker class to true.

Answer: D

Explanation: You need to set the WorkerReportProgress property of the BackgroundWorker class to true, which will raise the ProgressChange event whenever the ReportProgress method is called.

Incorrect Answers:

- A: The ProgressBar should not be added. This also will not report the status of the background task.
- B: The MTAThread should not be applied to the Main method. Furthermore, the application does not interoperate with COM.
- C: The STAThread should not be applied to the Main method. It is there by default.
- E: Request the status of a background process by using the BackgroundWorker component.

QUESTION 113

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS015 as developing collateral. You were asked to use the BackgroundWorker component to do an asynchronous task.

What should you do to define the signature of the method that will contain the code to perform the asynchronous task?

- A. You should create a method that matches the ThreadStart delegate's signature.
- B. You should create a method that matches the AsyncCallback delegate's signature.
- C. You should create a method that matches the ParameterizedThreadStart delegate's signature.
- D. You should create a method that matches the DoWorkEventHandler delegate's signature.

Answer: D

Explanation: You should create a method that matches the DoWorkEventHandler

delegate's signature. The BackgroundWorker allows you to do jobs in a background thread quite then the interface thread.

Incorrect Answers:

A: The ThreadStart allows you to define a method for executing codes in separate threads. You must in this case avoid creating a method that matches the ThreadStart signature.

B: The AsyncCallback allows you to define a method that represents an asynchronous operation's callback. You must in this case avoid creating a method that matches the AsyncCallback signature.

C: The ParameterizedThreadStart allows you to define a method that represents an asynchronous operation's callback. You must in this case avoid creating a method that matches the AsyncCallback signature.

QUESTION 114

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS023 as developing collateral. You are using the Semaphore class to synchronize access to a resource pool. During an inspection you find out that an exception of type UnauthorizedAccessException is thrown when you call the OpenExisting method of the Semaphore class, which is only thrown for one user.

What should you do to stop the exception from being thrown?

- A. You should call the Demand method of an unrestricted SecurityPermission instance.
- B. You should grant the user permission to read the semaphore that protects the resource pool.
- C. You should grant the user permission to access the resource pool.
- D. You should call the Assert method of an unrestricted SecurityPermission instance.

Answer: B

Explanation: The user's permissions are granted to read the semaphore that protects the resource pool. An access control list is there to protect the Semaphores. The SetAccessControl method of the Semaphore class is there to grant the users permissions to read the semaphore.

Incorrect Answers:

A: The Demand method is not used for an unrestricted SecurityPermission instance.

C: The user permission is not use to access the resource to correct the problem.

D: The SecurityPermission prevents a code from performing a stack walk past the present stack.

QUESTION 115

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com.

Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS001 as developing collateral. You are busy creating an instance of Semaphore by means of calling its constructor. While the Semaphore instance was created, you specify four resources from a resource pool and reserve the three resources. You want to call the Release method of the Semaphore instance to allocate four available resources from the resource pool. Which of the following numbers should you pass to the Release method?

- A. 3
- B. 4
- C. 1
- D. 0

Answer: A

Explanation: Every time you call the Release method, the semaphore will exit and makes a resource available. When a parameter has passed to the Release method, you indicate the number of times that the semaphore exits, which is three times.

Incorrect Answers:

B: The SemaphoreFullException can only free three resources in this case.

C: If it was one, then it would have only release one resource.

D: This number would cause an exception of type ArgumentOutOfRangeException to be thrown because the semaphore has to release one resource.

QUESTION 116

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS003 as developing collateral. You need to implement an asynchronous method to the Download method. You have the following class:

```
Public Plass Job
Public Sub Download[]
End Sub
End Class
```

Which of the following segments should you use? (Use the event-base asynchronous pattern)

- A. Public Function InvokeDownload[] As |AsyncResult
Return Nothing
End Function
- B. Public Function Download[] As |AsyncResult
Return Nothing
End Function

```
C. Public Function BeginDownload[] As IAsyncResult  
Return Nothing  
End Function  
D. public Sub DownloadAsync[]  
Return Nothing  
End Sub
```

Answer: D

Explanation: If it is an event-base asynchronous pattern, a worker thread raises an event to signal completion of an asynchronous process. The event should have the same name of the synchronous method suffixed with "Completed".

Incorrect Answers:

A, B, C: To adhere to the pattern, you should name the method DownloadAsync. You also should not return a value from the method.

QUESTION 117

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS333 as developing collateral. You are using the following class to download jobs.

```
Public Class Job  
Public Sub Download[]  
End Sub  
End Class
```

You need to use the event-based asynchronous pattern to support asynchronous job downloads.

Which of the following code segments should you use to define a member of that class to signal asynchronous completion?

```
A. PublicDownloadCompleted As Boolean  
B. PublicDownloadCompleted[]  
End Sub  
C. Public Event DownloadCompleted[] As DownloadCompletedEventHandler  
Return Nothing  
End Function  
D. Public Event DownloadCompleted As DownloadCompletedEventHandler
```

Answer: D

Explanation:

If you have the event-based asynchronous pattern, a worker thread raises an event to indicate completion of an asynchronous process. The event should have the same name of the synchronous method suffixed with "Completed".

Incorrect Answers:

A, B, C: You should not define a method or field named DownloadCompleted. An event must be defined to signal notification.

QUESTION 118

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS303 as developing guarantee. You are busy writing a code to perform an asynchronous operation. You must adjust the priority of the thread that executes the asynchronous operation. The operation is must be specified to use input data from the main thread. What should you do to define the signature of the method that will contain the code to perform the asynchronous operation?

- A. You should create a method that matches the AsyncCallback delegate's signature.
- B. You should create a method that matches the ParameterizedThreadStart delegate's signature.
- C. You should create a method that matches the ThreadStart delegate's signature.
- D. You should create a method that matches the DoWorkEventHandler delegate's signature.

Answer: B

Explanation: You need to create a method that matches the ParameterizedThreadStart delegate's signature. This will then accepts a single Object instance as a parameter.

Incorrect Answers:

- A: The AsyncCallback allows you to define a method that represents an asynchronous operation's callback.
- C: The parameters are not accepted by the ThreadStart. Because of this, you cannot use it to supply input data to the asynchronous operation.
- D: The DoWorkEventHandler delegate's signature is supported by the BackgroundWorker. The BackgroundWorker do not ajust priority of the BackgroundWorker thread
-

QUESTION 119

```
Public Sub Handler1[]  
End Sub  
Public Sub Handler2[ByVal args As Object]  
End Sub  
Public Sub Start[]  
Dim threadStart As threadStart = New ThreadStart(AddressOf Handler1)  
Dim parameterizedThreadStart As ParameterizedThreadStart =_  
New ParameterizedThreadStart(AddressOf Handler2)
```

```
Dim threadPoolThreadCount As Integer = 0
Dim thread1 As Thread = New Thread[ThreadStart]
Dim thread2 As Thread = New Thread[ParameterizedThreadStart]
Dim thread3 As Thread = New Thread[threadStart]
thread1.Start[]
thread2.Start[nothing]
thread3.Start[]
if thread1.IsThreadPoolThread Then
threadPoolThreadCount = [threadPoolThreadCount + 1]
End If
if thread2.IsThreadPoolThread Then
threadPoolThreadCount = [threadPoolThreadCount + 1]
End If
if thread3.IsThreadPoolThread Then
threadPoolThreadCount = [threadPoolThreadCount + 1]
End If
End Sub
```

What value of the threadPoolThreadCount should you identify after the code is executed?

- A. 0
- B. 2
- C. 3
- D. 1

Answer: A

Explanation: The value of the threadPoolThreadCount is set at 0. The threads that are manually made are not class as thread pool threads. The threads that are created by calling the QueueUserWorkItem method of the ThreadPool are class thread pool threads.

QUESTION 120

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS065 as developing collateral. You are busy developing a Microsoft Windows Forms application. This Windows Forms application will allow electrical engineers to visually design circuit boards. The users in the Development department connect to Certkiller -WS005 and download their respective designed circuit board for the hardware they developed. Which of the following code segments should you use to allow users to download all designed circuit boards in a background thread with Common Language Runtime to manage the thread?

A. ParameterizedThreadStart threadStart = delegate
{
//Download the jobs
}
New Thread[threadStart].Start[null];
B. AsyncCallback callback = delegate
{
//Download the jobs
}
Application.OpenForms[0].BeginInvoke(callback);
C. ThreadStart threadStart = delegate
{
//Download the jobs
}
New Thread[threadStart].Start[[]];
D. ThreadPool.QueueUserWorkItem(delegate
{
//Download the jobs
});

Answer: D

Explanation: The QueueUserWorkItem will allow you for execution in a thread pool.

Incorrect Answers:

- A: The Start method of the thread class will create and execute a thread. The CLR does not manually create threads.
- B: The parameters are not accepted by the ThreadStart. Because of this, you cannot use it to supply input data to the asynchronous operation.
- C: The BeginInvoke will allow you to set the properties and invoke methods from the background threads.

QUESTION 121

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS005 as developing collateral. You are busy developing a composite control. You do not want the controls to be displayed when certain conditions are met.

Which code segment should you use to write code to stop the control from being displayed?

- A. Me.SetStyle[ControlStyles.Opaque, True]
B. Me.Visible = False
C. Me.SetStyle[ControlStyles.SupportTransparentBackColor, True]

D. Me.BackColor = Color. Transparent

Answer: B

Explanation: The Visible control should be on false. This setting will not allow displaying.

Incorrect Answers:

A: This will prevent the background from being displayed; however it cannot hide the entire control.

C: This will prevent the background from being displayed; however it cannot hide the entire control.

D: This will prevent the background from being displayed; however it cannot hide the entire control.

QUESTION 122

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com.

Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS105 as developing collateral. You are busy developing a custom control, which displays the time in digital and analog formats.

You need to apply the control in a class named Clock. The Clock control will be place on forms and configure the properties to show the time.

Which code segment should you use to define the Clock class?

A. public class Clock

```
{  
}
```

B. public class Clock : Component

```
{  
}
```

C. public class Clock : Control

```
{  
}
```

D. public class Clock : Timer

```
{  
}
```

Answer: C

Explanation: The controls that are obtained from the Clock class are displayed on the form.

Incorrect Answers:

A: You should not obtain it from the Clock. The controls that are obtained from the Clock class are displayed on the form.

- B: The controls that are obtained from the Clock class are displayed on the form.
D: The controls that are obtained from the Clock class are displayed on the form.
-

QUESTION 123

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS005 as developing collateral. You are busy developing a custom control from a class from Control, which is not a composite control and performs all of its rendering by using GD+.

What should you do to make sure that portions of the control are automatically repainted when a specific property changes?

- A. You should call the Onpaint method.
- B. You should call the Invalidate method.
- C. You should call the Update method.
- D. You should call the Refresh method.

Answer: B

Explanation: This method is overloaded to define the portions of a control that is about to be repainted.

Incorrect Answers:

- A: The Invalidate method calls the Onpaint method.
 - C: The Update method does not allow you to specify the portions of the control that must be prepared.
 - D: The Refresh method does not allow you to specify the portions of the control that must be prepared.
-

QUESTION 124

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS025 as developing collateral. You are busy developing a custom control from a class from Control, which is not a composite control and performs all of its rendering by using GD+.

What should you do to write code to render the control, preventing other controls from modifying the rendering behavior of your control?

- A. You should attach the Paint event to an event handler in the constructor and perform all rendering in the event handler.
- B. You should create a Graphic instance in the constructor and perform all rendering via the Graphic instance.
- C. You should override the Onpaint method and do all rendering in the overridden

method.

D. You should override the InitLayout method, attach the Paint event to the event handler and do all rendering in the event handler.

Answer: C

Explanation: When you override the Onpaint method, you can render the control via the Supplied PaintEventArgs parameter.

Incorrect Answers:

A, D: The event handler is not needed. You cannot stop the other controls from attaching to the event handlers.

B: You should not create a graphic instance.

QUESTION 125

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS115 as developing collateral. You are busy creating an extended control deriving class from TextBox. You did override the OnPaint method of the TextBox, but it never is called.

What should you do to set or unset a flag in the ControlStyles enumeration to solve this problem?

- A. You should set the AllPaintInWmPaint flag.
- B. You should unset the UserPaint.
- C. You should unset the AllPaintInWmPaint flag.
- D. You should set the UserPaint.

Answer: D

Explanation: The UserPaint flag shows that the control paints itself then having the operating system perform the job. If the flag is not set, the OnPaint method is not called.

Incorrect Answers:

A, C: It does not matter if you set or unset the AllPaintInWmPaint flag. It shows that the control should reduce flickering the WM_ERASEBKGND window message.

B: The UserPaint flag should be set for the OnPaint method to be called.

QUESTION 126

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS005 as developing collateral. You are busy creating an extended control deriving class from Button.

What should you do to render your control with an oval shape which must prevent other control from modifying the rendering behavior of your control?

- A. You should override the OnPaint method and call the base implementation and render the control.
- B. You should override the OnPaintBackground method and render the control but not call the base implementation.
- C. You should override the OnPaint method and render the control but not call the base implementation.
- D. You should override the OnPaintBackground method and call the base implementation and render the control.

Answer: C

Explanation: The UserPaint method is used whenever regions of a control are invalidated. The base OnPaint method raise the Paint event.

Incorrect Answers:

A: You should not call the OnPaint method. This would raise the OnPaint method.

B, D: You should not override the OnPaintBackground method.

QUESTION 127

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS222 as developing collateral. You are busy developing a Microsoft Windows Forms application that uses the ClickOnce technology. You did specify several assemblies. The assemblies are used by the application as optional so that they do not get deployed initially. The application is specified to loads these assemblies dynamically.

What should you do to modify the application so that the assemblies are automatically downloaded when the application requires them?

- A. You should handle the AssemblyResolve event of the AppDomain class and call the DownloadFileGroup method of the ApplicationDeployment class.
- B. You should handle the TypeResolve event of the AppDomain class and call the DownloadFileGroup method of the ApplicationDeployment class.
- C. You should handle the AssemblyLoad event of the AppDomain class and call the Update method of the ApplicationDeployment class.
- D. You should handle the ResourceResolve event of the AppDomain class and call the Update method of the ApplicationDeployment class.

Answer: A

Explanation: The AssemblyResolve event is raised when the current application domain fails to load an assembly requested by the application. You need to specify

the name of the deployment group to which the assembly belongs.

Incorrect Answers:

B: The TypeResolve is raised after an assembly is successfully loaded.

C: The AssemblyLoad is raised after an assembly is loaded.

D: The ResourceResolve event is raised when the current application domain fails to load a resource.

QUESTION 128

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS222 as developing collateral. You are busy developing a Microsoft Windows Forms application named TestGradeBook to deployment server.

What should you do to use a batch file to programmatically change the update requirement of the application?

A. You should use the Manifest Generation and Editing Graphical Tool {MageUI.exe} to change the GradeBook.application settings.

B. You should use the Manifest Generation and Editing Tool {Mage.exe} to change the GradeBook.exe.manifest settings.

C. You should use the Manifest Generation and Editing Tool {Mage.exe} to change the GradeBook.application settings.

D. You should use the Manifest Generation and Editing Graphical Tool {MageUI.exe} to change the GradeBook.exe.manifest settings.

Answer: C

Explanation: The Mage.exe is used to change the GradeBook.application settings. It also helps to manage a published application.

Incorrect Answers:

A: The MageUI.exe provides a graphical user interface for managing a published application.

B, D: The GradeBook.exe cannot change the update requirements. The GradeBook.exe.manifest allows you to specify an application's associated files.

QUESTION 129

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS102 as developing collateral. You are busy developing a Microsoft Windows Forms application named Certkiller GradeBook to deployment server. You first deployed the application so that it supports offline use. What should you do to change the application so that it is only available when the

Certkiller .com user's computer is connected to the Internet?

- A. You should use the Manifest Generation and Editing Graphical Tool {MageUI.exe} to change the GradeBook.application settings.
- B. You should use the Manifest Generation and Editing Tool {Mage.exe} to change the GradeBook.exe.manifest settings.
- C. You should use the Manifest Generation and Editing Graphical Client Tool {MageUI.exe} to change the GradeBook.exe.manifest settings.
- D. You should use the Manifest Generation and Editing Tool {Mage.exe} to change the GradeBook.application settings.

Answer: A

Explanation: The Mage.exe is used to change the GradeBook.application settings. It also helps to manage a published application.

Incorrect Answers:

B, D: The GradeBook.exe cannot change the update requirements. The GradeBook.exe.manifest allows you to specify an application's associated files. It also cannot change the launch requirements of the application with the GradeBook.exe.manifest file.

C: Configure the required permissions of an application by using ClickOnce deployment.

QUESTION 130

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS202 as developing collateral. You are busy developing a Setup project.

What should you do to configure the project so that the built package can be installed on 32-bit and 64-bit computers?

- A. You should set the TargetPlatform property to x64.
- B. You should set the TargetPlatform property to x86.
- C. You should set the Version property to 64.
- D. You should set the Version property to 32.

Answer: B

Explanation: The x86 setting allows a package to be installed on 32-bit and 64-bit computers.

Incorrect Answers:

A: The x86 setting will cause an error to be raised when the package is installed on a 32-bit system..

C, D: The Version property identifies the version of the installer package itself.

QUESTION 131

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS035 as developing collateral. You are busy developing a Microsoft Windows Forms application. The applications that you are developing are using shared assemblies that must be installed into the Global Assembly Cache (GAC).

What should you do to develop a deployment strategy?

- A. You should create a CAB project that contains the application.
- B. You should use the XCOPY to deploy the application.
- C. You should use the ClickOnce to deploy the application.
- D. You should create a Window Forms Setup application

Answer: D

Explanation: The Window Forms Setup application can accomplish this by creating and configuring a Setup project to deploy a Microsoft Windows Installer package.

Incorrect Answers:

- A: The CAB Project is used to package components.
- B: The XCOPY cannot install assemblies into the GAC by using XCOPY.
- C: The ClickOnce cannot be used to install shared assemblies into the GAC.

QUESTION 132

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS205 as developing collateral. You are busy developing a Microsoft Windows Forms application. You want the users to download or run a Microsoft Windows Installer package from Certkiller .com's Web site to install the application.

Which of the following deployment project should you create?

- A. Setup Project
- B. CAB Project
- C. Merge Module Project
- D. Web Setup Project

Answer: A

Explanation: The Setup Project allows you to install Window-based applications.

Incorrect Answers:

- B: The CAB Project is used to package components.

- C: The Merge Module Project allows you to install shared components.
D: The Web Setup Project allows you to install Web applications.
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QUESTION 133

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS009 as developing collateral. You are busy developing a Microsoft Windows Forms application. You then change the default configuration to package files as loose uncompressed files. You also need to make sure that the .NET Framework 2.0 redistributable component exits after you build the Setup project.

Which of the following components should look for in the Setup project's output directory?

- A. RegSvcs.exe
- B. Dotnetfx.exe
- C. InstallUtil.exe
- D. RegAsm.exe

Answer: B

Explanation:

The Dotnetfx.exe needs to exits in the output directory, which uses the .NET Framework 2.0 redistributable package.

Incorrect Answers:

- A: The RegSvcs.exe is the .NET Services Installation tool. It allows you to register an assembly for use with COM+.
- C: The InstallUtil.exe allows you to execute custom installers that are associated with an assembly. .
- D: The RegAsm.exe allows you to register an assembly for use with COM+.
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QUESTION 134

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. Certkiller .com consists of a Development department. You as the developer of Certkiller .com use a client computer named Certkiller -WS209 as developing collateral. You are busy creating a class that derives from Installer. The class that you created is used by Microsoft Windows Forms application to install a custom component which uses an existing Microsoft Access database.

Which exception type should you use if the database does not exist at installation time and you need to throw an exception and have the installation rolled back?

- A. You should install InstallException

- B. You should install ApplicationException
- C. You should install SqlException
- D. You should install FileNotFoundExpection

Answer: A

Explanation: The InstallException passes information to the Microsoft Windows Installer and causes the installation to be rolled back.

Incorrect Answers:

- B: The ApplicationException will not cause the installation to roll back.
- C: The SqlException will not cause the installation to roll back.
- D: The FileNotFoundExpection will not cause the installation to roll back.

QUESTION 135

You are working as an application developer at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. Certkiller .com uses Visual Studio 2005 as an application platform. You as the developer of Certkiller .com use a client computer named Certkiller -WS209 as developing collateral.

You are busy creating a class that derives from Installer. The class that you created is used by Microsoft Windows Forms setup application to install a custom component which uses an existing Microsoft SQL Server 2005 database. The component throws a SqlException instance when it cannot connect to the database during installation.

What should you do to automatically rollback the installation is the component throws a SqlException instance?

- A. You should catch the SqlException instance and create an instance of InstallException and pass the SqlException instance as the inner exception and then throw the InstallException instance.
- B. You should catch the SqlException instance and create an instance of ApplicationException and pass the SqlException instance as the inner exception and then throw the ApplicationException instance.
- C. You should catch the SqlException instance and re-throw it.
- D. You do not need to catch the SqlException instance as it will propagate up the call stack.

Answer: A

Explanation: This action will pass information to the Microsoft Windows Installer and causes the installation to be rolled back.

Incorrect Answers:

- B: The ApplicationException will not cause the installation to roll back.
- C: The SqlException will not cause the installation to roll back.
- D: The FileNotFoundExpection will not cause the installation to roll back.