

Exam : Microsoft 70-553(VB)

**Title : UPGRADE:MCSD MS.NET
Skills to MCPD Entpse App
Dvlpr Pt1**

Version : Demo



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1. You are developing an application that stores data about your company's sales and technical support teams.

You need to ensure that the name and contact information for each person is available as a single collection when a user queries details about a specific team. You also need to ensure that the data collection guarantees type safety.

Which code segment should you use?

A. Dim team As Hashtable = New Hashtable()

team.Add(1, "Hance")

team.Add(2, "Jim")

team.Add(3, "Hanif")

team.Add(4, "Kerim")

team.Add(5, "Alex")

team.Add(6, "Mark")

team.Add(7, "Roger")

team.Add(8, "Tommy")

B. Dim team As ArrayList = New ArrayList()

team.Add("1, Hance")

team.Add("2, Jim")

team.Add("3, Hanif")

team.Add("4, Kerim")

team.Add("5, Alex")

team.Add("6, Mark")

team.Add("7, Roger")

team.Add("8, Tommy")

C. Dim team As New Dictionary(Of Integer, String)

team.Add(1, "Hance")

team.Add(2, "Jim")

team.Add(3, "Hanif")

team.Add(4, "Kerim")

team.Add(5, "Alex")

team.Add(6, "Mark")

team.Add(7, "Roger")

team.Add(8, "Tommy")

D. Dim team As String() = New String() { _

"1, Hance", _

```
"2, Jim", _  
"3, Hanif", _  
"4, Kerim", _  
"5, Alex", _  
"6, Mark", _  
"7, Roger", _  
"8, Tommy"}
```

Answer: C

2. You are creating a Windows Form. You add a TableLayoutPanel control named pnlLayout to the form. You set the properties of pnlLayout so that it will resize with the form.

You need to create a three-column layout that has fixed left and right columns. The fixed columns must each remain 50 pixels wide when the form is resized. The middle column must fill the remainder of the form width when the form is resized. You add the three columns in the designer.

Which code segment should you use to format the columns at run time?

A. `pnlLayout.ColumnStyles.Clear()`

`pnlLayout.ColumnStyles.Add(New ColumnStyle(SizeType.Absolute, 50.0F))`

`pnlLayout.ColumnStyles.Add(New ColumnStyle(SizeType.AutoSize, 100.0F))`

`pnlLayout.ColumnStyles.Add(New ColumnStyle(SizeType.Absolute, 50.0F))`

B. `pnlLayout.ColumnStyles(0).Width = 50.0F`

`pnlLayout.ColumnStyles(0).SizeType = SizeType.Absolute`

`pnlLayout.ColumnStyles(2).Width = 50.0F`

`pnlLayout.ColumnStyles(2).SizeType = SizeType.Absolute`

C. `pnlLayout.ColumnStyles(0).Width = 50.0F`

`pnlLayout.ColumnStyles(0).SizeType = SizeType.Absolute`

`pnlLayout.ColumnStyles(1).Width = 100.0F`

`pnlLayout.ColumnStyles(1).SizeType = SizeType.AutoSize`

`pnlLayout.ColumnStyles(2).Width = 50.0F`

`pnlLayout.ColumnStyles(2).SizeType = SizeType.Absolute`

D. `pnlLayout.ColumnStyles.Clear()`

`pnlLayout.ColumnStyles.Add(New ColumnStyle(SizeType.Absolute, 50.0F))`

`pnlLayout.ColumnStyles.Add(New ColumnStyle(SizeType.Percent, 100.0F))`

`pnlLayout.ColumnStyles.Add(New ColumnStyle(SizeType.Absolute, 50.0F))`

Answer: D

3. Your Web site uses custom Themes. Your Web site must support additional Themes based on

the user's company name.

The company name is set when a user logs on to the Web site. The company's Theme name is stored in a variable named ThemeName.

You need to use this variable to dynamically set the Web site's Theme.

What should you do?

A.Add the following code segment to the markup source of each page on the Web site.

```
<%@ Page Theme="ThemeName" ... %>
```

B.Add the following code segment to the Load event of each page on the Web site.

```
Page.Theme = ThemeName
```

C.Add the following code segment to the PreInit event of each page on the Web site.

```
Page.Theme = ThemeName
```

D.Add the following code segment to the Web site's configuration file.

```
<pages theme="ThemeName" />
```

Answer: C

4.You are creating a Windows Forms application. You add an ErrorProvider component named erpErrors and a DateTimePicker control named dtpStartDate to the application. The application also contains other controls.

You need to configure the application to display an error notification icon next to dtpStartDate when the user enters a date that is greater than today's date.

Which two actions should you perform? (Each correct answer presents part of the solution. Choose two.)

A.For the Validating event of dtpStartDate, create an event handler named VerifyStartDate.

B.For the Validated event of dtpStartDate, create an event handler named VerifyStartDate.

D.In the Properties Window for dtpStartDate, set the value of Error on erpErrors to Date out of range.

E.In VerifyStartDate, call erpErrors.SetError(dtpStartDate, "Date out of range") if the value of dtpStartDate.Value is greater than today's date.

F.In VerifyStartDate, call erpErrors.SetError(dtpStartDate, null) if the dtpStartDate.Value is greater than today's date.

Answer: (E AND A)

5.You need to create a method to clear a Queue named q.

Which code segment should you use?

A.Dim e As Object

For Each e In q

q.Dequeue()

Next

B.Dim e As Object

For Each e In q

q.Enqueue(Nothing)

Next

C.q.Clear()

D.q.Dequeue()

Answer: C

6.You are creating a Windows Form that includes a TextBox control named txtDate.

When a user right-clicks within the text box, you want the application to display a MonthCalendar control.

You need to implement a context menu that provides this functionality.

What should you do?

A.Add the following code to the form initialization.

```
Dim cal As New MonthCalendar()
```

```
Dim mnuContext As New ContextMenuStrip()
```

```
Dim host As New ToolStripControlHost(mnuContext)
```

```
txtDate.ContextMenuStrip = mnuContext
```

B.Add the following code to the form initialization.

```
Dim mnuContext As New ContextMenuStrip()
```

```
Dim cal As New MonthCalendar()
```

```
Dim host As New ToolStripControlHost(cal)
```

```
mnuContext.Items.Add(host)
```

```
txtDate.ContextMenuStrip = mnuContext
```

C.Add the following code to the form initialization.

```
Dim ctr As New ToolStripContainer()
```

```
Dim cal As New MonthCalendar()
```

```
ctr.ContentPanel.Controls.Add(cal)
```

```
txtDate.Controls.Add(ctr)
```

Add a MouseClick event handler for the TextBox control that contains the following code.

```
If e.Button = MouseButton.Right Then
```

```
txtDate.Controls(0).Show()
```

```
End If
```

D.Add a MouseClick event handler for the TextBox control that contains the following code.

```
If e.Button = MouseButton.Right Then
```

```
Dim mnuContext As New ContextMenuStrip()  
Dim cal As New MonthCalendar()  
Dim host As New ToolStripControlHost(cal)  
mnuContext.Items.Add(host)  
txtDate.ContextMenuStrip = mnuContext  
End If
```

Answer: B

7. You are writing a custom dictionary. The custom-dictionary class is named MyDictionary.

You need to ensure that the dictionary is type safe.

Which code segment should you use?

A. Class MyDictionary

Implements Dictionary(Of String, String)

B. Class MyDictionary

Inherits HashTable

C. Class MyDictionary

Implements IDictionary

D. Class MyDictionary

...

End Class

```
Dim t As New Dictionary(Of String, String)
```

```
Dim dict As MyDictionary = CType(t, MyDictionary)
```

Answer: A

8. You are creating an undo buffer that stores data modifications.

You need to ensure that the undo functionality undoes the most recent data modifications first.

You also need to ensure that the undo buffer permits the storage of strings only.

Which code segment should you use?

A. Dim undoBuffer As New Stack(Of String)

B. Dim undoBuffer As New Stack()

C. Dim undoBuffer As New Queue(Of String)

D. Dim undoBuffer As New Queue()

Answer: A

9. You are creating a Windows Forms application. Initialization code loads a DataSet object named ds that includes a table named Users. The Users table includes a column named IsManager.

You need to bind the IsManager column to the Checked property of a check box named chkIsManager.

Which code segment should you use?

A.chkIsManager.DataBindings.Add("Checked", ds, "Users.IsManager")

B.chkIsManager.DataBindings.Add("Checked", ds, "IsManager")

C.chkIsManager.Text = "{Users.IsManager}"

chkIsManager.AutoCheck = True

D.Me.DataBindings.Add("chkIsManager.Checked", ds, "Users.IsManager")

Answer: A

10. A method in your Windows Forms application executes a stored procedure in a Microsoft SQL Server 2005 database, and then executes a second stored procedure in a second SQL Server 2005 database.

You need to ensure that the call to the first stored procedure writes changes only if the call to the second stored procedure succeeds. Installation requirements prohibit you from introducing new components that use the COM+ hosting model.

What should you do?

A. Implement a transactional serviced component.

Add methods to this component to encapsulate the connect operation and execution of each stored procedure.

Register and use this serviced component.

B. Add a TransactionScope block.

Connect to each database and execute each stored procedure within the TransactionScope block.

Call the TransactionScope.Complete method if the call to both stored procedure succeeds.

C. Connect to both databases.

Call the SqlConnection.BeginTransaction method for each connection.

Call the SqlTransaction.Commit method on both returned transactions only if both stored procedures succeed.

D. Add a TryCatchFinally block.

Connect to each database and execute each stored procedure in the try block.

Answer: B

11. You are creating a Windows Forms application that includes the database helper methods UpdateOrder and UpdateAccount. Each method wraps code that connects to a Microsoft SQL Server 2005 database, executes a Transact-SQL statement, and then disconnects from the database.

You must ensure that changes to the database that result from the UpdateAccount method are committed only if the UpdateOrder method succeeds.

You need to execute the UpdateAccount method and the UpdateOrder method.

Which code segment should you use?

A.Using ts As New TransactionScope()

UpdateOrder()

UpdateAccount()

ts.Complete()

End Using

B.Using ts1 As New TransactionScope()

UpdateOrder()

Using ts2 As New

TransactionScope(TransactionScopeOption.RequiresNew)

UpdateAccount()

ts2.Complete()

End Using

ts1.Complete()

End Using

ts1.Complete();

C.Using ts1 As New TransactionScope()

UpdateOrder()

Using ts2 As New

TransactionScope(TransactionScopeOption.RequiresNew)

UpdateAccount()

ts2.Complete()

End Using

ts1.Complete()

End Using

D.Using ts As New TransactionScope(TransactionScopeOption.RequiresNew)

UpdateOrder()

End Using

Using ts As New TransactionScope(TransactionScopeOption.Required)

UpdateAccount()

ts.Complete()

End Using

Answer: A

12.You are creating a Windows Forms application. The application uses a SqlCommand object

named cmd. The cmd object executes the following stored procedure.

```
CREATE PROCEDURE GetPhoneList
AS
BEGIN
SELECT CompanyName, Phone FROM Customers
SELECT CompanyName, Phone FROM Suppliers
END
```

You need to add all returned rows to the ListBox control named lstPhones.

Which code segment should you use?

A. Dim rdr As SqlDataReader = cmd.ExecuteReader()

Do

While rdr.Read()

lstPhones.Items.Add((rdr.GetString(0) + ControlChars.Tab +
rdr.GetString(1)))

End While

Loop While rdr.NextResult()

B. Dim rdr As SqlDataReader = cmd.ExecuteReader()

While rdr.Read()

lstPhones.Items.Add((rdr.GetString(0) + ControlChars.Tab +
rdr.GetString(1)))

End While

C. Dim rdr As SqlDataReader = cmd.ExecuteReader()

While rdr.NextResult()

While rdr.Read()

lstPhones.Items.Add((rdr.GetString(0) + ControlChars.Tab +
rdr.GetString(1)))

End While

End While

D. Dim rdr As SqlDataReader = cmd.ExecuteReader()

While rdr.NextResult()

lstPhones.Items.Add((rdr.GetString(0) + ControlChars.Tab +
rdr.GetString(1)))

End While

Answer: A

13. You have an SQL query that takes one minute to execute. You use the following code segment

to execute the SQL query asynchronously.

```
Dim ar As IAsyncResult = cmd.BeginExecuteReader()
```

You need to execute a method named DoWork() that takes one second to run while the SQL query is executing. DoWork() must run as many times as possible while the SQL query is executing.

Which code segment should you use?

A.While ar.AsyncWaitHandle.IsNothing

```
DoWork()
```

```
End While
```

```
dr = cmd.EndExecuteReader(ar)
```

B.While Not ar.IsCompleted

```
DoWork()
```

```
End While
```

```
dr = cmd.EndExecuteReader(ar)
```

C.While Thread.CurrentThread.ThreadState = ThreadState.Running

```
DoWork()
```

```
End While
```

```
dr = cmd.EndExecuteReader(ar)
```

D.While Not ar.AsyncWaitHandle.WaitOne()

```
DoWork()
```

```
End While
```

```
dr = cmd.EndExecuteReader(ar)
```

Answer: B

14.You are creating a Windows Forms application. The application loads a data table named dt from a database and modifies each value in the data table.

You add the following code. (Line numbers are included for reference only.)

```
01 Dim row As DataRow
```

```
02 For Each row In dt.Rows
```

```
03 Dim col As DataColumn
```

```
04 For Each col In dt.Columns
```

```
05
```

```
06 Trace.WriteLine(str)
```

```
07 Next col
```

```
08 Next row
```

You need to format the string named str to show the value of the column at the time the data is

loaded and the current value in the column.

Which code segment should you add at line 05?

A. Dim str As String = String.Format("Column was {0} is now {1}",
row(col), row(col, DataRowVersion.Current))

B. Dim str As String = String.Format("Column was {0} is now {1}",
row(col, DataRowVersion.Default), row(col))

C. Dim str As String = String.Format("Column was {0} is now {1}",
row(col), row(col, DataRowVersion.Proposed))

D. Dim str As String = String.Format("Column was {0} is now {1}",
row(col, DataRowVersion.Original), row(col))

Answer: D

15. A Windows Forms application contains the following code segment.

```
Dim SQL As String = "SELECT EmployeeID, LastName, FirstName FROM Employees"
```

```
Dim da As New SqlDataAdapter(SQL, connStr)
```

```
Dim dt As New DataTable()
```

```
da.MissingSchemaAction = MissingSchemaAction.AddWithKey
```

```
Dim bld As New SqlCommandBuilder(da)
```

```
da.Fill(dt)
```

The application allows the user to add rows to the data table. The application will propagate these additions to the database. If the addition of any row fails, the other rows must still be added. The code must log how many new rows failed to be added.

You need to propagate the additions to the database and log a failed count.

Which code segment should you use?

A. da.ContinueUpdateOnError = True

```
da.Update(dt)
```

```
Dim dtErrors As DataTable = dt.GetChanges(DataRowState.Unchanged)
```

```
Trace.WriteLine((dtErrors.Rows.Count.ToString() + " rows not added."))
```

B. da.ContinueUpdateOnError = False

```
da.Update(dt)
```

```
Dim dtErrors As DataTable = dt.GetChanges(DataRowState.Unchanged)
```

```
Trace.WriteLine((dtErrors.Rows.Count.ToString() + " rows not added."))
```

C. da.ContinueUpdateOnError = True

```
da.Update(dt)
```

```
Dim rows As DataRow() = dt.GetErrors()
```

```
Trace.WriteLine((rows.Length.ToString() + " rows not added."))
```

```
D.da.ContinueUpdateOnError = False
da.Update(dt)
Dim rows As DataRow() = dt.GetErrors()
Trace.WriteLine((rows.Length.ToString() + " rows not added."))
```

Answer: C

16.A Windows Forms application contains the following code segment.

```
Dim SQL As String = "SELECT OrderID, ProductID, UnitPrice, Quantity FROM [Order Details]"
Dim da As New SqlDataAdapter(SQL, connStr)
Dim dt As New DataTable()
da.Fill(dt)
```

You need to add a new column to the data table named ItemSubtotal. The ItemSubtotal column must contain the value of the UnitPrice column multiplied by the value of the Quantity column.

Which code segment should you use?

```
A.Dim col As New DataColumn("ItemSubtotal")
col.DataType = GetType(Decimal)
col.Expression = "UnitPrice * Quantity"
dt.Columns.Add(col)

B.dt.Compute("UnitPrice * Quantity", "ItemSubtotal")

C.Dim col As New DataColumn("ItemSubtotal")
col.DataType = GetType(Decimal)
dt.Columns.Add(col)
dt.Compute("UnitPrice * Quantity", "ItemSubtotal")

D.Dim col As New DataColumn("ItemSubtotal")
col.DataType = GetType(Decimal)
col.DefaultValue = "UnitPrice * Quantity"
dt.Columns.Add(col)
```

Answer: A

17.A Windows Forms application reads the following XML file.

```
<?xml version="1.0"?>
<x:catalog xmlns:x="urn:books">
<book id="bk101">
<author>Gambardella, Matthew</author>
<title>XML Developer's Guide</title>
</book>
<book id="bk102">
```

```
<author>Ralls, Kim</author>  
<title>Midnight Rain</title>  
</book>  
</x:catalog>
```

The form initialization loads this file into an XmlDocument object named docBooks.

You need to populate a ListBox control named lstBooks with the concatenated book ID and title of each book.

Which code segment should you use?

```
A. Dim elements As XmlNodeList = docBooks.GetElementsByTagName("book")  
Dim node As XmlElement  
For Each node In elements  
Dim s As String = node.GetAttribute("id") + " - "  
s = s + node.SelectSingleNode("title").InnerText  
lstBooks.Items.Add(s)  
Next node
```

```
B. Dim elements As XmlNodeList = docBooks.GetElementsByTagName("book")  
Dim node As XmlElement  
For Each node In elements  
Dim s As String = node.SelectSingleNode("id").ToString() + " - "  
s = s + node.GetAttribute("title")  
lstBooks.Items.Add(s)  
Next node
```

```
C. Dim elements As XmlNodeList = docBooks.GetElementsByTagName("book")  
Dim node As XmlElement  
For Each node In elements  
Dim s As String = node.GetAttribute("id") + " - "  
s = s + node.SelectSingleNode("title").Value  
lstBooks.Items.Add(s)  
Next node
```

```
D. Dim elements As XmlNodeList = docBooks.GetElementsByTagName("book")  
Dim node As XmlElement  
For Each node In elements  
lstBooks.Items.Add(node.InnerXml)  
Next node
```

Answer: A

18. You create the following Web user control named ErrorMessage.

```
<%@ Control Language="VB" AutoEventWireup="false"  
CodeFile="ErrorMessage.ascx.vb" Inherits="ErrorMessage" %>  
  
<script>  
Protected m_Text As String = "This is a default message!"  
Public Property Text() As String  
Get  
Return m_Text  
End Get  
Set(ByVal value As String)  
m_Text = value  
End Set  
End Property  
</script>
```

The ErrorMessage control uses a public property that displays the error message.

You need to change the default error message property on the Web Form in which the control is implemented.

Which code segment should you use?

- A. <fabrikam:Message id="MyMessage" MyMessage-Text="This is a custom message!" runat="server"/>
- B. <fabrikam:Message id="MyMessage" MessageText="This is a custom message!" runat="server"/>
- C. <fabrikam:Message id="MyMessage" Text="This is a custom message!" runat="server"/>
- D. <fabrikam:Message id="MyMessage" Message_Text="This is a custom message!" runat="server"/>

Answer: C

19. You need to write a code segment that will add a string named strConn to the connection string section of the application configuration file.

Which code segment should you use?

- A. Dim myConfig As Configuration = _
?ConfigurationManager.OpenExeConfiguration(_
?ConfigurationUserLevel.None)
myConfig.ConnectionStrings.ConnectionStrings.Add(_
?New ConnectionStringSettings("ConnStr1", strConn))

```
myConfig.Save()  
B. Dim myConfig As Configuration = _  
ConfigurationManager.OpenExeConfiguration( _  
?ConfigurationUserLevel.None)  
myConfig.ConnectionStrings.ConnectionStrings.Add( _  
?New ConnectionStringSettings("ConnStr1", strConn))  
ConfigurationManager.RefreshSection("ConnectionStrings")  
C. ConfigurationManager.ConnectionStrings.Add( _  
New ConnectionStringSettings("ConnStr1", strConn))  
ConfigurationManager.RefreshSection("ConnectionStrings")  
D. ConfigurationManager.ConnectionStrings.Add(  
?New ConnectionStringSettings("ConnStr1", strConn))  
Dim myConfig As Configuration = _  
?ConfigurationManager.OpenExeConfiguration( _  
?ConfigurationUserLevel.None)  
myConfig.Save()
```

Answer: A

20. You are using the Microsoft Visual Studio 2005 IDE to examine the output of a method that returns a string. You assign the output of the method to a string variable named fName.

You need to write a code segment that prints the following on a single line

The message: "Test Failed: "

The value of fName if the value of fName does not equal "John"

You also need to ensure that the code segment simultaneously facilitates uninterrupted execution of the application.

Which code segment should you use?

```
A. Debug.Assert(fName = "John", "Test Failed: ", fName)  
B. Debug.WriteLineIf(fName <> "John", _  
?fName, "Test Failed")  
C. If fName <> "John" Then  
Debug.Print("Test Failed: ")  
Debug.Print(fName)  
End If  
D. If fName <> "John" Then  
Debug.WriteLine("Test Failed: ")  
Debug.WriteLine(fName)
```

End If

Answer: B



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