



70-551(VB)

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Q&A

DEMO Version

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QUESTION 1

You create an application for your business partners to submit purchase orders. The application deserializes XML documents sent by your partners into instances of an object named PurchaseOrder. You need to modify the application so that it collects details if the deserialization process encounters any XML content that fails to map to public members of the PurchaseOrder object.

What should you do?

- A. Define and implement an event handler for the XmlSerializer.UnknownNode event.
- B. Define a class that inherits from XmlSerializer and overrides the XmlSerialize.FromMappings method.
- C. Apply an XmlInclude attribute to the PurchaseOrder class definition.
- D. Apply an XmlIgnore attribute to the PurchaseOrder class definition.

Answer: A

QUESTION 2

You are creating a class that performs complex financial calculations. The class contains a method named GetCurrentRate that retrieves the current interest rate and a variable named currRate that stores the current interest rate. You write serialized representations of the class. You need to write a code segment that updates the currRate variable with the current interest rate when an instance of the class is deserialized. Which code segment should you use?

- A. `<OnSerializing> _Friend Sub UpdateValue (ByVal context As StreamingContext) currRate = GetCurrentRate()End Sub`
- B. `<OnSerializing> _ Friend Sub UpdateValue(ByVal info As SerializationInfo) info.AddValue("currentRate", GetCurrentRate())End Sub`
- C. `<OnDeserializing> _ Friend Sub UpdateValue(ByVal info As SerializationInfo) info.AddValue("currentRate", GetCurrentRate())End Sub`
- D. `<OnDeserialized> _Friend Sub UpdateValue (ByVal context As StreamingContext) currRate = GetCurrentRate()End Sub`

Answer: D

QUESTION 3

You create a class library that contains the class hierarchy defined in the following code segment. (Line numbers are included for reference only.)

```
01 Public Class Group
02 Public Employees As Employee()
03 End Class
04
05 Public Class Employee
06 Public Name As String
07 End Class
08
09 Public Class Manager
10 Inherits Employee
11 Public Level As Integer
12 End Class
```

You create an instance of the Group class. You populate the fields of the instance. When you attempt to serialize the instance by using the Serialize method of the XmlSerializer class, you receive InvalidOperationException. You also receive the following error message: "There was an error generating the XML document." You need to modify the code segment so that you can successfully serialize instances of the Group class by using the XmlSerializer class. You also need to ensure that the XML output

contains an element for all public fields in the class hierarchy. What should you do?

- A. Insert the following code between lines 1 and 2 of the code segment:
`<XmlArrayItem(Type:=GetType(Employee))> _ <XmlArrayItem(Type:=GetType(Manager))> _`
- B. Insert the following code between lines 1 and 2 of the code segment:
`<XmlElement(Type:=GetType(Employee))> _`
- C. Insert the following code between lines 1 and 2 of the code segment:
`<XmlArray(ElementName:="Employees")> _`
- D. Insert the following code between lines 5 and 6 of the code segment:
`<XmlElement(Type:=GetType(Employee))>` and insert the following code between lines 10 and 11 of the code segment: `<XmlElement(Type:=GetType(Manager))>`

Answer: A

QUESTION 4

You are writing a method to compress an array of bytes. The bytes to be compressed are passed to the method in a parameter named document. You need to compress the contents of the incoming parameter. Which code segment should you use?

- A. `Dim inStream As New MemoryStream(document)Dim zipStream As New GZipStream(_inStream, CompressionMode.Compress)Dim result(document.Length) As BytezipStream.Write(result, 0, result.Length)Return result`
- B. `Dim objStream As New MemoryStream(document)Dim zipStream As New GZipStream(_objStream, CompressionMode.Compress)zipStream.Write(document, 0, document.Length)zipStream.Close()Return objStream.ToArray`
- C. `Dim outputStream As New MemoryStreamDim zipStream As New GZipStream(_outStream, CompressionMode.Compress)zipStream.Write(document, 0, document.Length)zipStream.Close()Return outputStream.ToArray`
- D. `Dim objStream As New MemoryStream(document)Dim zipStream As New GZipStream(_objStream, CompressionMode.Compress)Dim outputStream As New MemoryStreamDim b As IntegerWhile (b = zipStream.ReadByte)outputStream.WriteByte(CByte(b))End WhileReturn outputStream.ToArray`

Answer: C

QUESTION 5

You are writing a method to compress an array of bytes. The array is passed to the method in a parameter named document. You need to compress the incoming array of bytes and return the result as an array of bytes. Which code segment should you use?

- A. `Dim objStream As New MemoryStream(document)Dim objDeflate As New DeflateStream(objStream, CompressionMode.Compress)Dim result(document.Length) As ByteobjDeflate.Write(result, 0, result.Length)Return result`
- B. `Dim objStream As New MemoryStream(document)Dim objDeflate As New DeflateStream(objStream, CompressionMode.Compress)objDeflate.Write(document, 0, document.Length)objDeflate.Close()Return objStream.ToArray`
- C. `Dim objStream As New MemoryStream()Dim objDeflate As New DeflateStream(objStream, CompressionMode.Compress)objDeflate.Write(document, 0, document.Length)objDeflate.Close()Return objStream.ToArray`
- D. `Dim objStream As New MemoryStream()Dim objDeflate As New DeflateStream(objStream, CompressionMode.Compress)Dim outputStream As New MemoryStreamDim b As IntegerWhile (b = objDeflate.ReadByte) outputStream.WriteByte(CByte(b))End WhileReturn outputStream.ToArray`

Answer: C

QUESTION 6

You are creating an application that provides information about the local computer. The application contains a form that lists each logical drive along with the drive properties, such as type, volume label, and capacity.

You need to write a procedure that retrieves properties of each logical drive on the local computer.

What should you do?

To answer, move the three appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Retrieve an instance of the FileSystemInfo class.

Retrieve an instance of the DriveInfo class.

Retrieve the drive capacity by using the DriveInfo.TotalSize property.

Determine if the drive is available by using the FileSystemInfo.Attributes property.

Retrieve the drive names of all logical drives on a computer by using the DriveInfo.GetDrives method.

Retrieve the drive capacity by using the FileSystemInfo.Attributes property.

- A.
- B.
- C.
- D.

Answer:

QUESTION 7

You are changing the security settings of a file named MyData.xml. You need to preserve the existing inherited access rules. You also need to prevent the access rules from inheriting changes in the future. Which code segment should you use?

- A. `Dim objSecurity As New FileSecurity(_ "MyData.xml", AccessControlSections.All)objSecurity.SetAccessRuleProtection(True, True)File.SetAccessControl("MyData.xml", objSecurity)`
- B. `Dim objSecurity As New FileSecurity()objSecurity.SetAccessRuleProtection(True, True)File.SetAccessControl("MyData.xml", objSecurity)`
- C. `Dim objSecurity As FileSecurity = _File.GetAccessControl("MyData.xml")objSecurity.SetAccessRuleProtection(True, True)`
- D. `Dim objSecurity As FileSecurity = _File.GetAccessControl("MyData.xml")objSecurity.SetAuditRuleProtection(True, True)File.SetAccessControl("myData.xml", objSecurity)`

Answer: A

QUESTION 8

You are creating an assembly named Assembly1. Assembly1 contains a public method. The global cache contains a second assembly named Assembly2. You must ensure that the public method is only called from Assembly2. Which permission class should you use?

- A. `GacIdentityPermission`
- B. `PublisherIdentityPermission`
- C. `DataProtectionPermission`
- D. `StrongNameIdentityPermission`

Answer: D

QUESTION 9

You create a `DirectorySecurity` object for the working directory. You need to identify the user accounts and groups that have read and write permissions. Which method should you use on the `DirectorySecurity` object?

- A. the `GetAuditRules` method
- B. the `GetAccessRules` method
- C. the `AccessRuleFactory` method
- D. the `AuditRuleFactory` method

Answer: B

QUESTION 10

You are developing an application that runs by using the credentials of the end user. Only users who are members of the Administrator group get permission to run the application. You write the following security code to protect sensitive data within the application.

```
Dim blnAdmin As Boolean = False
Dim objRole As WindowsBuiltInRole = _
WindowsBuiltInRole.Administrator
If blnAdmin = False Then
Throw New Exception("User not permitted")
End If
```

You need to add a code segment to this security code to ensure that the application throws an exception if a user is not a member of the Administrator group. Which code segment should you use?

- A. `Dim objUser As WindowsPrincipal = _DirectCast(Thread.CurrentPrincipal, WindowsPrincipal)blnAdmin = objUser.IsInRole(objRole)`
- B. `Dim objUser As WindowsIdentity = WindowsIdentity.GetCurrentFor Each objGroup As IdentityReference In objUser.GroupsDim objAccount As NTAccount = _ DirectCast(objGroup.Translate(_ Type.GetType("NTAccount")), NTAccount)blnAdmin = objGroup.Value.Equals(objRole)Next`
- C. `Dim objUser As GenericPrincipal = _DirectCast(Thread.CurrentPrincipal, GenericPrincipal)blnAdmin = objUser.IsInRole(objRole.ToString)`
- D. `Dim objUser As WindowsIdentity = _DirectCast(Thread.CurrentPrincipal.Identity, WindowsIdentity)blnAdmin = objUser.Name.EndsWith("Administrator")`

Answer: A