

Exam 70-320 study material

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Free 70-320 Exam Preparation Questions

Exam 70-320: XML Web Services and Server Components with C#.NET

Question: 1.

You are debugging your Web service. The configuration file for your Web service contains this declaration: <system.runtime.remoting><application> <client> <activated type="RemoteType, RemoteAssembly"/> </client> <channels> </channels> </application></system.runtime.remoting> When you attempt to instantiate the remote object identified by this declaration, an exception is thrown. What should you do to prevent the exception? (Select the best choice.)

- A. Add a url attribute that specifies the location of the remote object to the <channels> element. Add:
<channel ref="http" port="777"/>
- B. Add a url attribute that specifies the location of the remote object to the <client> element. Add:
<channel ref="http" port="777"/>
- C. Add another <channel> element. Include the location of the remote object in the body of the element. Add: <channel ref="http" port="777"/>
- D. Add a url attribute that specifies the location of the remote object to the <channel> element. Add:
<channel ref="http" port="777"/>

Answer: B**Explanation:**

You should add a url attribute that specifies the location of the remote object to the <client> element to prevent the exception. The <activated> element is used to define a client-activated object. When only client-activated objects are defined for a client, the <client> element must have a url attribute that identifies the location of the remote object. Adding the location of the remote object to any other element will not correct the problem.

Question: 2.

You are developing a portfolio management software to be used via an XML web service. It will make use of datasets to load data of clients. Which of the following code fragments will create the dataset properly? (Select the best choice.)

- A. <WebMethod> Public MyDataSet Function GetMyData() { MyDataSet dsMain = New MyDataSet; MyDataAdapter.Fill(MyDataSet); Return MyDataSet; }
- B. <WebMethod> Public MyDataSet Function GetMyData() { MyDataSet dsMain = New MyDataSet; MyDataAdapter.Fill(dsMain); Return dsMain; }
- C. <WebMethod> Private MyDataSet GetMyData() { MyDataSet dsMain = New MyDataSet; MyDataAdapter.Fill(MyDataSet); Return MyDataSet; }
- D. <WebMethod> Private MyDataSet GetMyData() { MyDataSet dsMain = New MyDataSet; MyDataAdapter.Fill(dsMain); Return dsMain; }

Answer: B**Explanation:**

To return a DataSet object from the Web service described in the scenario, you should use this code:
<WebMethod> Public MyDataSet Function GetMyData() { MyDataSet dsMain = New MyDataSet; MyDataAdapter.Fill(dsMain); Return dsMain; }

The GetMyData function should be declared as Public and the function should return a dataset type as defined by the MyDataSet class. Within the GetMyData function, a dataset is derived from the class MyDataSet. The Fill method of the SqlDataAdapter fills the strongly typed dataset with data.

Question: 3.

You are debugging an application using C# in Visual Studio .NET. You notice that the application returns an invalid result once a variable has changed.

Which of the following actions should you perform to stop execution? (Select the best choice.)

- A. Use a Stop statement.
- B. Set a breakpoint with a condition.
- C. Set an assertion.
- D. Set a watch for the variable.

Answer: B

Explanation:

Breakpoints are used to break execution while code is running in the Visual Studio .NET IDE. You can set conditions on breakpoints so that execution will pause only if a given condition is met. One of the conditions that you can set is whether a variable's value has changed. If the value has changed since the last time that the breakpoint was encountered, execution will stop on the line of code containing the variable.

Question: 4.

You are creating a high security application to verify access to a military installation. Your application uses the RegistryPermission class to control access to the Registry in your application. When a request is made to read the Registry, the request must pass both the current permission and a specified permission. Which method of the RegistryPermission class should you use to confirm access to the request? (Select the best choice.)

- A. Assert
- B. Union
- C. Demand
- D. Intersect

Answer: D

Explanation:

You should use the Intersect method to confirm access to a request that must pass both the current permission and a specified permission. The Intersect method requires that the request must pass both permissions. The Union method requires that the request pass only one of the two permissions. The Assert method gives the calling code permission to access the resource. The Demand method checks for permission to a resource.

Question: 5.

You are creating a dataset from an XML file for use in your XML based stock broking application using C#. Your application keeps track of your clients' portfolio. The dataset will contain two tables, both of which contain a StockID column. You want to establish a foreign key constraint on these two columns. Which XML segment will place the proper constraint on the StockID columns? (Select the best choice.)

- A. `<xs:key name="StockIDKey"> <xs:field xpath="//Table1" /> <xs:selector xpath="StockID" /> </xs:key> <xs:keyref name="StockIDRef" refer="StockIDKey"> <xs:field xpath="//Table2" /> <xs:selector xpath="StockID" /> </xs:keyref>`
- B. `<xs:key name="StockIDKey"> <xs:selector xpath="//Table1" /> <xs:field xpath="StockID" /> </xs:key> <xs:keyref name="StockIDRef" refer="StockIDKey"> <xs:selector xpath="//Table2" /> <xs:field xpath="StockID" /> </xs:keyref>`
- C. `<xs:foreignkey name="StockIDKey"> <xs:field xpath="//Table1" /> <xs:selector xpath="StockID" /> </xs:foreignkey> <xs:foreignkeyref name="StockIDRef" refer="StockIDKey"> <xs:field xpath="//Table2" /> <xs:selector xpath="StockID" /> </xs:foreignkeyref>`
- D. `<xs:foreignkey name="StockIDKey"> <xs:selector xpath="//Table1" /> <xs:field xpath="StockID" /> </xs:foreignkey> <xs:foreignkeyref name="StockIDRef" refer="StockIDKey"> <xs:selector xpath="//Table2" /> <xs:field xpath="StockID" /> </xs:foreignkeyref>`

Answer: B

Explanation:

The <key> and <keyref> elements are used to place a foreign key constraint on two fields. The <key> element identifies the key column of the parent table. The <keyref> element establishes the link between a parent column and a child column. When a dataset is created from the XML schema, a

foreign key constraint will be created with the information supplied by the <keyref> element. When you use the <key> and <keyref> elements, you should use the <selector> and <field> elements to identify the tables and columns that are being constrained.

Question: 6.

You have finished developing your .Net Remoting application. It depends on several tables and it uses Microsoft SQL Server database. What feature of the Web Installer project should you use? (Select the best choice.)

- A. deployment conditions
- B. File System Editor
- C. merge modules
- D. custom actions

Answer: D

Explanation:

You can create a custom action that will run the update script that updates the database. Custom actions are executable files, DLLs, scripts, or assemblies that contain instructions that are invoked at the end of an installation. A deployment condition is a condition that must be met before an installation can proceed. A merge module is a setup file that can only be called from other setup files, and it is used to package assemblies and other reusable components. The File System Editor is used to create folders and shortcuts and to perform other tasks associated with the file system during a setup event.

Question: 7.

You are debugging you stock broking application. Since you do not need to much test data, you want to limit the display of data so that only information about stock TSES. What should you do to most easily limit the amount of information displayed? (Select the best choice.)

- A. Use the Trace object instead of the Debug object.
- B. Use the code, If stockCode = "TSES" Then Debug.WriteLine(intEmployeeNumber & " " & sEmployeeName) End If
- C. Use the code Debug.WriteLineIf ("TSES", stockCode & " " & stockName).
- D. Use the code Debug.WriteLineIf(stockCode = "TSES", stockName).

Answer: D

Explanation:

You should use the code Debug.WriteLineIf(stockCode = "TSES", stockName). The WriteLineIf method of the Debug object provides the ability to display debug information only when a specified condition is met. The Boolean expression controlling whether the information will be displayed is passed as the first parameter of the method.

Although surrounding the original line of code with an If statement testing whether the employee number is "TSES" will work, it is not the easiest solution. Using the value "TSES" as the conditional parameter for the WriteLineIf method will cause the value to be evaluated as a Boolean value. Because the value is non-zero, it will evaluate to True, and thus will display information for all records. Simply using the Trace object rather than the Debug object will not provide the desired results.

Question: 8.

You are building an ASP.NET XML Web service. Your project supervisor lists down the requirements: . • The application will return data from a Microsoft SQL Server database . • You are to use a component that was built in Visual Basic 6.0 to read data from the database . • You want to be able to load a DataSet object in your application with the contents of the component's recordset.

What actions must you take? (Each choice presents a part of the solution.) (Select all choices that are correct.)

- A. Use the Resource File Generator to convert the component into a satellite assembly.
- B. Use an OleDbDataAdapter object to fill the DataSet object with rows from the Recordset object.

- C. Add an <ADODB> element to the application's Web.config file.
- D. Use the Type Library Importer to create a .NET-compatible assembly from the component.
- E. Use a SqlDataAdapter object to fill the DataSet object with rows from the Recordset object.

Answer: B, D

Explanation:

You may use a component built with Visual Basic 6 that returns an ADO Recordset object by creating a .NET compatible assembly from the component and using an OleDbDataAdapter object to fill the DataSet object. Once the dataset has received the record set's data, the recordset should be closed. No updated data in the dataset can be returned to the recordset.

To use a COM component in a .NET application, a .NET-compatible assembly must be created with the Type Library Importer, TlbImp.exe. It is also necessary to create a .NET assembly of the ADO msado15.dll library, which provides the Recordset object. No elements need to be added to the application's Web.config file. It is not possible to use a SqlDataAdapter object with an ADO Recordset object.

Question: 9.

Your company, SpeechES specializes in providing speech therapy. Your XML web services application using C# is to monitor participant's progress week by week. Your application will analyze data on a weekly basis.

Which of the following techniques can be used to send both the previous and the current week's results with the least amount of effort? (Select the best choice.)

- A. Serialize the DataSet object as a DiffGram.
- B. Send the information in two table structures in the DataSet object.
- C. Add a flag field to the rows in the DataSet object to indicate which rows belong to the original route and which rows belong to the new route.
- D. Serialize the DataSet object using the Write Schema flag.

Answer: A

Explanation:

You should serialize the DataSet object as a DiffGram. DiffGram structures include both the original and current values of data held in a DataSet object. In this scenario, you could query the existing route, allow the application to update the DataSet, and then serialize the DataSet object into DiffGram format to be returned to the client application.

Question: 10.

You are developing a stock broking application using C# for agents that will use Web services provided by your company. The IT department will not open any new ports other than the existing 80 and 443.

Which of the following authentication options should you use? (Select the best choice.)

- A. You should use Windows Authentication with Client Certificates.
- B. You should use Windows Digest Authentication.
- C. You should use Windows Basic Authentication with SSL.
- D. You should use Custom Authentication; send the encrypted authentication information in SOAP headers.

Answer: D

Explanation:

You should use a custom authentication method that sends authentication information to the service in the SOAP headers. This method is independent of transport mechanisms and can easily traverse across firewalls.

None of the other mechanisms meet these requirements.

Question: 11.

You are creating a web service which will use a COM+ library. You perform the following:

- . • You add a reference to the COM+ library. . •

You write the following code:

```
10 Dim ms As ScriptControl = New COMLibApp() 30 ms.Language = "VBScript" 40  
ms.Modules.Add("MyCode") 50 ms.Modules("MyCode").AddCode(Script)When you attempt to compile  
the project, you receive the error message "Type 'COMLibApp' isnot defined." Which of the following  
options will correct the problem and cause the COMLibApp object to be recognized? (Each choice  
presents a complete solution.) (Select all choices that are correct.)
```

- A. Create a COM+ Interop assembly using the Tlbimp utility, and add a reference to this assembly to the project.
- B. Add the line `Import MSCOMLibApp` to the top of the file.
- C. Register the MSCOMLibApp library with COM+ using the Installutil utility.
- D. Register the MSCOMLibApp library with COM+ using the RegSvr utility.
- E. Register the MSCOMLibApp library with COM+ using the RegSvr32 utility.
- F. Replace line 10 with the code `Dim ms As MSCOMLibApp.COMLibApp = New MSCOMLibApp.COMLibApp`.

Answer: A, D

Explanation:

You should either replace line 10 with the code `Dim ms As MSCOMLibApp.COMLibApp = New MSCOMLibApp.COMLibApp`, or add the line `Import MSCOMLibApp` to the top of the file. Imported COM+ objects are added to a namespace created with the name of the library. You must either import the namespace into the module where the COM objects will be used, or explicitly identify the namespace when referring to its objects.

The COM+ Interop assembly was created and added to the list of references when the reference was added to the COM+ library in the scenario. If the COM+ library were not already registered with COM+, then it would not have been available for selection on the COM tab of the Add Reference dialog box.

Question: 12.

You are developing a stock price watch application called WatchPriceApp. Users will access it using a web service. Once prices change, you need to send modified records back to the Web service. Which of the following code segments should you use to accomplish this goal? (Select the best choice.)

- A. `If StockPriceDS.HasChanges() { Data. DataSet oData = StockPriceDS.GetChanges() 'Add code here to send oData to the Web Service }`
- B. `If StockPriceDS.HasChanges(DataRowState.Added) {Data. DataSet oData = StockPriceDS.GetChanges(DataRowState.Added) 'Add code here to send oData to the Web Service }`
- C. `If StockPriceDS.HasChanges() { Data. DataSet oData = StockPriceDS.GetChanges(DataRowState.Added) 'Add code here to send oData to the Web Service }`
- D. `If StockPriceDS.HasChanges(DataRowState.Added) { Data. DataSet oData = StockPriceDS.GetChanges() 'Add code here to send oData to the Web Service }`

Answer: A

Explanation:

In order to pass all changes to the Web service in the most compact form, you should pass no parameter to the Has Changes and Get Changes methods of the StockPriceDS in this code sample. Passing the DataRowState.Added parameter to the Has Changes method causes the method to return True only if new records have been added to the dataset.

Question: 13.

The following code handles various errors that might occur in a subroutine.

```
Try { ' Code to connect to SQL Server. errorStr = "SQL Error: 111" Catch (SqlException e) { errorStr = "  
SQL Error: 112" Catch (SqlTypeException e) { errorStr = " SQL Error: 113" Catch (DataException e) {  
errorStr = " SQL Error: 114" Catch (Exception e) { errorStr = " SQL Error:11 5" } If an error occurs while  
connecting to a SQL Server database, what value will the variable errorStr contain? (Select the best
```

choice.)

- A. SQL Error: 113
- B. SQL Error: 115
- C. SQL Error: 111
- D. SQL Error: 112
- E. SQL Error: 114

Answer: D

Explanation:

A `SqlException` object is thrown whenever an error is produced from SQL Server. The catch block that specifies the `SqlException` type will handle those errors. The `SqlTypeException` object is thrown during a type conversion error with SQL data types. The `DataException` object is thrown as the result of ADO.NET errors.

The catch block that specifies the generic `Exception` type will catch all errors that are not picked up by earlier catch blocks.

Question: 14.

Which of the following methods must you code when processing a SOAP message?

(Select the best choice.)

- A. `GetInitializer`
- B. `ProcessMessage`
- C. `ChainStream`
- D. `Initialize`

Answer: B

Explanation:

The `ProcessMessage` method is called at each processing stage of a SOAP message. There are four processing stages of a SOAP message: `SoapMessageStage.BeforeSerialize`, `SoapMessageStage.AfterSerialize`, `SoapMessageStage.BeforeDeserialize`, and `SoapMessageStage.AfterDeserialize`. An XML Web service can read and alter the contents of SOAP messages during these stages. None of the other methods are called at each processing stage.

Question: 15.

You are writing code in a Windows form application that activates a .NET remote object called `ESOrderModule`. The object need to be kept in memory for at least 25 minutes. You have written the following code: (Line numbers are for reference purposes only.)

```
01 Dim myLease As ILease = CType(MyBase.InitializeLifetimeService(), ILease) 02 If  
ESObjectLease.CurrentState = LeaseState.Initial Then 04 End If What line of code  
should you place on line 03? (Select the best choice.)
```

- A. `ESObjectLease.InitialLeaseTime = TimeSpan.FromMinutes(25);`
- B. `ESObjectLease.SponsorshipTimeout = TimeSpan.FromMinutes(25);`
- C. `ESObjectLease.RenewOnCallTime = TimeSpan.FromMinutes(25);`
- D. `ESObjectLease.Default = TimeSpan.FromMinutes(25);`

Answer: A

Explanation:

The code `ESObjectLease.InitialLeaseTime = TimeSpan.FromMinutes(25)` should be used on line 03 to ensure that the activated .NET remote object remains in memory for at least one minute. When a client activates a .NET remote object, the client's application domain controls the lifetime of the object. Unlike COM, where the lifetime of remote objects was determined by reference counts and pinging, .NET uses lifetime leases. The lifetime of a remote object can be set through an application configuration file or through code. The `ILease` interface exposes properties that control leases. One of the properties of `ILease`, `InitialLeaseTime`, determines the default amount of time that the object remains

Question: 16.

You are debugging your application. You notice that the debug code does not execute properly. Your code is listed below: #If DEBUG Then ' Code to connect to perform complex calculation #Else ' Code to bypass calculation. #End If What should you do? (Each choice presents a complete solution.) (Select 2 choices.)

- A. Add the code Dim Debug As Boolean = True to the beginning of the source code.
- B. Compile the application with the command line vbc /d:DEBUG=TRUE.
- C. Compile the application with the command line vbc /r:debug=true.
- D. Add the <debug value=true> attribute to the beginning of the source code.
- E. Add the code #CONST DEBUG=True to the beginning of the source code.

Answer: B, E

Explanation:

In order to ensure that only the code that accesses the testing database executes, you can add the code #CONST DEBUG=True to the module, or you can compile the application with the command line vbc /d:DEBUG=TRUE. As with previous versions of Visual Basic, you may write conditional compile statements that are included in a compiled application based on the value of a constant. Visual Basic .NET provides both debugging and tracing conditional attributes. You may set the Debug conditional attribute either in code with the #CONST statement or in the command line by specifying the /d:DEBUG parameter.

Question: 17.

Which method do you call for the first time when you access an XML Web service or service method with which the SOAP extension is configured to execute? (Select the best choice.)

- A. GetInitializer
- B. Intialize
- C. SetIntialize
- D. Begin

Answer: A

Explanation:

You call the GetInitializer method the first time when you access an XML Web service or service method with which the SOAP extension is configured to execute.

Question: 18.

You need to log when your application is restarted. Which file would interest you? (Select the best choice.)

- A. Global.asax
- B. web.config
- C. Machine.xonfig
- D. Global.asa

Answer: A

Explanation:

The Global.asax file enables you to manage application-level events. This file resides in the root directory of an ASP.NET Web application or ASP.NET Web service. The Global.asax.cs or Global.asax.vb class file is a hidden, dependent file of Global.asax, which contains the code for handling application events such as the Application_OnError event.

Question: 19.

You create an application using C#, ESOrderFulfillment and configure ESOrderFulfillment to use Integrated Windows authentication. You write the following code to create permissions in GetSalesInfo: PrincipalPermission myPermission1 = New_PrincipalPermission(Nothing, "HRMgr")PrincipalPermission myPermission2 = New_PrincipalPermission(Nothing, "ManagingDirector") You need to write the remaining code in GetDailyRevenue to ensure that only users in the HRMgr group and the ManagingDirector group can access SalesInformation. Which code

segment should you use?

- A. myPermission1.Intersect(myPermission2).Demand()
- B. myPermission1.Include(myPermission2).Demand()
- C. myPermission1.Union(myPermission2).Demand()
- D. myPermission1.Demand() myPermission2.Demand()
- E. myPermission2 = myPermission1.Copy()
myPermission2.Demand()

Answer: C

Explanation:

The Union method creates a permission that is the union of the current permission and the specified permission. We want a union of the HRMgr and the Director group.

Question: 20.

You are creating an online application using C# to manage meetings for MeetingMakers Inc. This application will contain two fields: Date and time. Which of these codes will create a unique constraint named Events for the table named Calendar?

- A. `<xs:unique name="Calendar">
<xs:field xpath="Date" /> <xs:field
xpath="Time" /> <xs:field
xpath="Location" /> </xs:unique>`
- B. `<xs:unique name="Events"> <xs:selector xpath="//Calendar" /> <xs:field xpath="Date" />
<xs:field xpath="Time" /> <xs:field xpath="Location" /> </xs:unique>`
- C. `<xs:unique name="Events">
<xs:selector xpath="//Calendar" />
<xs:field xpath="Location" />
</xs:unique>`
- D. `<xs:unique name="Events">
<xs:field xpath="Calendar" />
<xs:field xpath="Time" />
<xs:field xpath="Location" />
</xs:unique>`

Answer: B

Explanation:

This code creates a unique constraint named Events for the table named Calendar. The `<xs:unique>` element defines a unique constraint. The `msdata:PrimaryKey="true"` attribute must be included in order to define a primary key. The `xpath` property of the `<xs:selector>` element points to the table element to which the constraint will be applied, and the `xpath` property of the `<xs:field>` elements identifies the fields that make up the primary key. Multiple `<xs:field>` elements must be used to specify a composite key.

Question: 21.

You are creating a web service that will be used to perform online banking. The bank requires fast response and is protected by a firewall. Which should you choose? (Select all that apply.)

- A. Use HTTP protocol
- B. Use Binary-formatted messages
- C. Use TCP protocol
- D. Use SOAP-formatted messages

Answer: A, B

Explanation:

The Web service should use HTTP protocol and binary-formatted messages for the greatest performance and security. You must use the HTTP protocol in order to utilize the security features of IIS. Binary-formatted messages perform much faster than SOAP-formatted messages. The HTTP Channel class in the .NET Framework provides the mechanism to communicate with the HTTP protocol. To configure the Web service to use the HTTP protocol with binary-formatted messages, the Web.config file

should contain text similar to the following.

Question: 22.

You are creating a web based email system which assesses a web service. Which of the following methods should your Web service use to store the provided credentials by email users? (Select the best choice.)

- A. Store the submitted credentials in a Credential Cache object.
- B. Store the submitted credentials in an Authentication Manager object.
- C. Store the submitted credentials in a string array.
- D. Store the submitted credentials in a string, separating each set of credentials with semicolons (;).

Answer: A

Explanation:

In order to store multiple sets of credentials, you should store the submitted credentials in a Credential Cache object. Credential Cache objects store credentials for multiple resources. Neither strings nor string arrays are the ideal choice for storing credentials. The Authentication Manager object manages the authentication modules that are called during authentication.

Question: 33.

Which property of the Soap Exception class will return the SOAP fault code? (Select the best choice.)

- A. Detail
- B. Source
- C. Actor
- D. Code

Answer: D

Explanation:

The Actor property gets the code that causes the exception. The Source property gets the name of the application or assembly where the exception occurs. The Code property returns the SOAP fault code.

Question: 34.

Which property of the Soap Exception class will return the code that causes the exception? (Select the best choice.)

- A. Detail
- B. Source
- C. Actor
- D. Code

Answer: C

Explanation:

The Actor property gets the code that causes the exception. The Source property gets the name of the application or assembly where the exception occurs. The Code property returns the SOAP fault code.

Question: 35.

You create a serviced component named Register Student. Register Student implements the IOrderInit interface. The component and the interface contain the following code segments:

```
<GuidAttribute("ES9485-kdgf-kfdj-9fd9-ESESkhdES94"), _  
InterfaceType(ComInterfaceType.InterfaceIsDual)> _ Public Interface IStudent ' IStudent methods go  
here End Interface Public Class RegisterStudent Inherits ServicedComponent Implements IStudent '  
RegisterStudent methods go here.  
End Class
```

You discover that every time you rebuild RegisterStudent, existing unmanaged client code fails. The HRESULT for the exception is 0x80040154. The exception includes the following message: "Class not registered." You need to resolve this problem. What should you do?

- A. Add a Guid attribute to the IStudent interface.
- B. Add a Guid attribute to the RegisterStudent class.

- C. Add a COM Import attribute to the IStudent interface.
- D. To the RegisterStudent class, add the following attribute:
ClassInterface(ClassInterfaceType.DualType)
- E. To the RegisterStudent class, add the following attribute:
ClassInterface(ClassInterfaceType.Registered)
- F. To the RegisterStudent class, add the following attribute:
ClassInterface(ClassInterfaceType.AutoDual)

Answer: F

Explanation:

The class interface, which is not explicitly defined in managed code, is an interface that exposes all public methods, properties, fields, and events that are explicitly exposed on the .NET object. This interface can be a dual or dispatch-only interface. Class interfaces are only generated when the ClassInterfaceAttribute is set to ClassInterfaceType.AutoDual.

Question: 36.

Which code is a valid way to read the data in the XmlTextReader object?

(Select the best choice.)

- A. For myCounter = 0 to reader.Nodes -1
- B. For myCounter = 0 to reader.RecordCount -1
- C. Do Until reader.EOF
- D. While reader.Read()

Answer: D

Explanation:

You should use the code While reader.Read() to read the data in the XmlTextReader object. The XmlTextReader provides read-only, forward-only access to XML data.

Question: 37.

Which XML attribute will not ensure that the IsPrimaryKey property is set to the correct value?

(Select all that applies.)

- A. msdata:PrimaryKey="unique"
- B. msdata:Unique="PrimaryKey"
- C. msdata:PrimaryKey="true"
- D. msdata:Unique="true"

Answer: A, B, D

Explanation:

The msdata:PrimaryKey attribute of the <key> or <unique> element determines the value of the IsPrimaryKey property of the unique constraint when a dataset is built from XML data containing a schema. If the attribute is set to true, then the property's value will also be true when the dataset is created.

Question: 38.

Which window in Visual Studio .NET should you use to select the stored procedure to debug?

(Select the best choice.)

- A. Command
- B. Output
- C. Server Explorer
- D. Task List

Answer: C

Explanation:

C is correct. You can debug Microsoft SQL Server stored procedures with version 6.5 and Service

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Pack 3 or later while in Visual Studio .NET. First, use the Server Explorer window to establish a connection to your database. Next, navigate through the database until you find the stored procedure that you want to debug in the stored procedure node. Then, right-click the stored procedure and choose the Step Into Stored Procedure option.

Question: 39.

You are designing a robust class to handle SQL exceptions. You need access to the collection of warning messages that are sent from Microsoft SQL Server. What should you do? (Select the best choice.)

- A. `SqlConnection`
- B. `SqlException.Class`
- C. `SqlError.Source`
- D. `SqlInfoMessageEventArgs.Errors`

Answer: B

Explanation:

The `Errors` property of the `SqlInfoMessageEventArgs` class is a collection of warning messages that are sent from Microsoft SQL Server. It is possible to evaluate each message in this collection, but this would not be the most efficient solution. The `Connection` property of the `SqlConnection` class returns a `Connection` object for a transaction. The `Source` property of the `SqlError` class returns the provider's name that produced the error.

Question: 40.

You are working on an XML application using C# which may read XML files without schemas. Which approach will you choose? (Select the best choice.)

- A. `Dim dsData As DataSet dsData. ReadXml("myinfo.xml", XmlReadMode.Infer)`
- B. `Dim fsMain As New System.IO.FileStream("myinfo.xml", System.IO.FileMode.Create)`
`Dim dsData As DataSet dsData. ReadXml(fsMain, XmlReadMode.IgnoreSchema)`
- C. `Dim dsData As DataSet = New dsData. ReadXml("myinfo.xml", XmlReadMode.IgnoreSchema)`
- D. `Dim dsData As DataSet dsData. ReadXml("myinfo.xml", XmlReadMode.DiffGram)`
- E. `Dim dsData As DataSet dsData. ReadXml("myinfo.xml", XmlReadMode.Missing Schema)`
- F. `Dim dsData As DataSet = New dsData. ReadXml("myinfo.xml", XmlReadMode.Infer)`
- G. `Dim dsData As DataSet dsData. ReadXml("myinfo.xml", XmlReadMode.InferSchema)`

Answer: G

Explanation:

When XML data is intended to be used in a `DataSet` object, it is important to know the data structure, or schema. If the schema is not available with the data, then the data can still be used if the `XmlReadMode` parameter of the `ReadXml` method is set to `InferSchema`. When `InferSchema` is used, elements and attributes in the XML help determine tables and columns.

Question: 41.

You constantly update your assembly. You need a convenient way to inform all applications that utilize the assembly that the applications should use the latest version of the assembly. What should you do? (Select the best choice.)

- A. Use `Regsvr32.exe` to register the assembly.
- B. Place a publisher policy in the GAC.
- C. Use the `Fuslogvw.exe` tool to modify assembly bindings.
- D. Use the `Sn.exe` utility to assign the assembly a strong name.

Answer: B

Explanation:

Using a policy file, we can inform all applications that utilize the assembly that the applications should use the latest version of the assembly.

Question: 42.

You are debugging your .Net remoting application using C#. Which tool will provide you with information regarding an application's inability to bind to an assembly? (Select the best choice.)

- A. Use Regsvr32.exe to register the assembly.
- B. Place a publisher policy in the GAC.
- C. Use the Fuslogvw.exe tool to modify assembly bindings.
- D. Use the Sn.exe utility to assign the assembly a strong name.

Answer: C

Explanation:

The Fuslogvw.exe tool provides information regarding an application's inability to bind to an assembly.

Question: 43.

You have developed a serviced component to handle a distributed transactions for WholesaleES Inc. You need to ensure that all orders must be completed successfully committed or rolled back but you prefer to handle it manually. You have used the <AutoComplete()> attribute previously. You use a Try..Catch block Which of the following actions should you take? (Select the best choice.)

- A. Replace the <AutoComplete()> attribute with a <JustInTime> attribute.
- B. Replace the <AutoComplete()> attribute with a <ManualTransaction()> attribute.
- C. Remove the <AutoComplete()> attribute and use the SetComplete and SetAbort methods of the ContextUtil object in the Try..Catch block.
- D. Remove the <AutoComplete()> attribute and use the RollBack and Commit methods of the ContextUtil object in the Try..Catch block.

Answer: C

Explanation:

You should remove the <AutoComplete()> attribute and use the SetComplete and SetAbort methods of the ContextUtil object in the Try..Catch block. The ContextUtil object is Microsoft's preferred method of interacting with COM+ services.

The SetComplete and SetAbort methods manually commit or roll back a distributed transaction. The <AutoComplete()> attribute is used to define a function that implements automatic transactions. Because this function will now be using manual transactions, the <AutoComplete()> attribute should be removed. None of the other choices will produce the desired result.

Question: 44.

Your application creates an XML Schema Definition (XSD) file from a DataSet object in your application.

You need to retain the structure of the dataset only. Which of the following lines of code should you use? (Select the best choice.)

- A. dsMain.StreamWriter.Write("c:\ES\StudentInfo.xsd", XmlWriteMode.XmlSchema)
- B. dsMain.WriteXml("c:\ES\StudentInfo.xsd", XmlWriteMode.XmlSchema)
- C. dsMain.WriteXmlSchema("c:\ES\StudentInfo.xsd")
- D. dsMain.SaveXmlSchema("c:\ES\StudentInfo.xsd")

Answer: C

Explanation:

You should use the code dsMain.WriteXmlSchema("c:\ES\StudentInfo.xsd") to create an XML Schema Definition (XSD) file from a DataSet object named dsMain. The WriteXmlSchema method accepts a String name of a file, a System.IO.Stream object, a TextWriter object or an XmlWriter object to determine the file that it will create. ADO.NET makes the transfer of XML to and from datasets very simple. To write the contents of a dataset as XML, you can use the WriteXml method of the DataSet class.

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