

Date: January 22, 2012

Microsoft .NET (120 Minutes)

1. Which of the following statements is false about Common Language Runtime?
 1. .Net Framework 3.5 uses the .NET Framework 2.0 CLR
 2. .Net Framework 3.5 SP1 first time introduce the .NET Framework 3.0 CLR
 3. .Net Framework 2.0 CLR was introduced with VS 2005
 4. .Net Framework 3.0 uses the .NET Framework 2.0 CLR
2. Which of the following statements is false?
 - a. MSMQ binding, Web Service (WS) binding, Basic binding and TCP binding are part of standard binding supported by WCF
 - b. WCF also support authentication using Issued token by secure token service.
 1. Only a
 2. Only b
 3. Both a and b
 4. None of the above
3. During developing a custom-collection class, we need to create a method in a class and need to ensure that the method we create in our class returns a type that is compatible with the Foreach statement. Which criterion should the method meet?
 1. The method must explicitly contain a collection
 2. The method must be the only iterator in the class
 3. The method must return a type of either IEnumerator or IEnumerable
 4. The method must return a type of IComparable
4. Which of the following code segment is suitable to create a dynamic assembly named MyAssembly and to save that assembly to disk?
 1.

```
AssemblyName myAssemblyName =new
AssemblyName();
myAssemblyName.Name = "MyAssembly";
AssemblyBuilder myAssemblyBuilder =
AppDomain.CurrentDomain.DefineDynamic
Assembly (myAssemblyName,
AssemblyBuilderAccess.Run);
myAssemblyBuilder.Save("MyAssembly.dll");
```
 2.

```
AssemblyName myAssemblyName = new
AssemblyName();
AssemblyBuilder myAssemblyBuilder =
AppDomain.CurrentDomain.DefineDynamic
Assembly (myAssemblyName,
AssemblyBuilderAccess.RunAndSave);
myAssemblyBuilder.Save("MyAssembly.dll");
```
 3.

```
AssemblyName myAssemblyName = new
AssemblyName("MyAssembly");
AssemblyBuilder myAssemblyBuilder =
AppDomain.CurrentDomain.DefineDynamic
Assembly
(myAssemblyName,AssemblyBuilderAccess.
Save);
myAssemblyBuilder.Save("c:\\MyAssembly
.dll");
```
 4.

```
AssemblyName myAssemblyName =new
AssemblyName();
myAssemblyName.Name = "MyAssembly";
AssemblyBuilder myAssemblyBuilder =
AppDomain.CurrentDomain.DefineDynamic
Assembly (myAssemblyName,
AssemblyBulderAccess.Save);
myAssemblyBuilder.Save("MyAssembly.dll");
```
5. You are creating an assembly named XYZ that contains a public method. The global cache contains a second assembly named ABC. You must ensure that the public method is only called from ABC. Which permission class should you use?
 1. GacIdentityPermission
 2. StrongNameIdentityPermission
 3. PublisherIdentityPermission
 4. DataProtectionPermission
6. You are loading a new assembly into an application. You need to override the default evidence for the assembly. You require the common language runtime (CLR) to grant the assembly a permission set, as if the assembly were loaded from the local intranet zone. You need to build the evidence collection. Which of the following code segment you use?
 1.

```
Evidence evidence = new Evidence();
evidence.AddHost(new
Zone(SecurityZone.Intranet));
```
 2.

```
Evidence evidence = new Evidence(
Assembly.GetExecutingAssembly().Evidence);
```
 3.

```
Evidence evidence = new
Evidence();evidence.AddAssembly(newZone
(SecurityZone.Intranet));
```
 4.

```
Evidence evidence = new Evidence
(AppDomain.CurrentDomain.Evidence);
```
7. Which of the following statement is true?
 - a. CLR is an execution engine of .net
 - b. .Net provides cross language interoperability using code access security.
 1. Only a
 2. Only b
 3. Both a and b
 4. None of the above
8. Which of the following is not JIT compiler type?
 1. Normal JIT
 2. Data JIT
 3. Pre JIT
 4. ECONO JIT
9. Which of the following tool to modify configuration file?
 1. Mscorcfg.msc
 2. Caspol.exe
 3. IIASM.exe
 4. Both 1 and 2
10. Which of the following property of the Exception class is used to find the line of code that caused an exception to be thrown when you are working on a debug build of an application?
 1. Data
 2. StackTrace
 3. Message
 4. Source

11. Which of the following DLL translate XML to SQL in IIS?
 1. SQLXML.dll
 2. LISXML.dll
 3. SQLISAPI.dll
 4. SQLIIS.dll
12. Which of the following control does not have visible interface?
 1. Datalist
 2. DropDownList
 3. Repeater
 4. Datagrid
13. Which of the following file stores the method signature information for an XML Web Service?
 1. .wsdl File
 2. .disco File
 3. .dll File
 4. .asmx File
14. A project on which you are working calls for you to store small amount of frequently changing information about a page on the client. if security is not a worry. Which is the best method to use?
 1. A hidden form field
 2. A javascript function
 3. A cookie
 4. A query string
15. What is difference between response.redirect and server.transfer?
 1. response.redirect will take you to another page with out round trip
 2. server.transfer will take the round trip from server to client
 3. Both are same
 4. None of the above
16. You have written an ASP.NET application using C#, and you are ready to deploy it to a Web server. You will use a Windows Installer Web setup project to create an installation routine. What action must you perform so that a virtual directory named XYZ is created on the Web server?
 1. In your application's Web.config file, create a custom attribute with the value of XYZ.
 2. Change the name of the setup project to XYZ.
 3. Set the VirtualDirectory property of the Web Application folder in the setup project to XYZ.
 4. Create a merge module that will create the virtual directory
17. Which of the following type of authentication is used in an ASP.NET application that will authenticate truck drivers for drug tests that prompt users for their user names and passwords?
 1. Basic and Digest
 2. Anonymous
 3. Certificate
 4. Forms
18. Which of the following statement is true?
 - a. AjaxControlToolkit.dll file installed in global assembly Cache
 - b. Skin file is stores, in App_Themes folder in asp .net 3.5 application
 1. Only a
 2. Only b
 3. Both a and b
 4. None of the above
19. Which of the following lines of code will cause a compilation error?
 1. Session("MyVal").Contents=777;
 2. Cache.Session.Insert("myKey") = stringValue;
 3. Cache.Add("myKey") = stringValue;
 4. All of the above
20. Your ASP.NET application displays sales data on a page. You want to improve performance by holding the page in memory on the server for one hour. You want to ensure that the page is flushed from memory after one hour, and that the page is re-created when the next request for the page is received. What should you do?
 1. Set the Duration attribute of the OutputCache directive in the page.
 2. Initialize a new instance of the Cache class in the Application.Start event handler.
 3. Initialize a new instance of the Timer class in the Page.Load event handler.
 4. In the Web.config file, set the timeout attribute of the sessionState element.
21. In which of the following methods of the ASP .Net Page class, you can attach an event handler to an event published by a control on the web page?
 1. OnInit()
 2. OnLoad()
 3. OnPostBack()
 4. Page_UnLoad()
22. You have several users with Windows user accounts who are using your new ASP.Net web application to retrieve data from the SQL Server 2005 database. Each user connects to the database using his/her user account. There are now several hundred users, using the data. How can you improve performance of the web application?
 1. Use Basic authentication
 2. Stop using the database to retrieve the data
 3. Use SQL Server authentication
 4. Use the same connection string for the database connections
23. By default, a .Net web site is configured with which of the following authentication types?
 1. Basic
 2. IIS Anonymous
 3. Window
 4. Form
24. Which of the following code you use to protect view state from tampering when it's passed over an unencrypted channel?
 1. In Register directive set EnableViewStateMac="true"
 2. In Page directive set EnableViewStateMac="true"
 3. In web config set Protectviewstate="true"
 4. In IIS set Viewstate protection
25. Which of the following cache strategy will give you the best performance to develop a web application that is retrieving historical books information from a database server and displays it to the users of your application?
 1. client cache
 2. ASP.NET central cache
 3. output cache
 4. cache object

26. In asp .net application we want to create a toolbar that will be displayed at the top of each page in the Web site. The toolbar will contain only static HTML code. The toolbar will be used in only your application and can be reusable component for your application. What should you do?
1. Add a new Web user control to your ASP.NET project.
Create the toolbar within the Web user control.
 2. Create a new Web Control Library project.
Create the toolbar within a Web custom control.
 3. Add a new Web Form to your ASP.NET project.
Use HTML server controls to design the toolbar within the Web Form and save the Web Form with an .ascx extension.
 4. Add a new component class to your ASP.NET project.
Use HTML server controls to design the toolbar within the designer of the component class.
27. Which of the following is the namespaces in .NET used for XML?
1. System.Xml.Schema
 2. System.Xml.XPath
 3. System.Xml.Xsl
 4. All of the above
28. Can two different .net programming languages be mixed in a single ASPX file?
1. Yes
 2. No
 3. May be
 4. None of the above
29. Which of the following is false about ASP.NET?
- a. ASP.NET doesn't support server-side includes but supports server-side object tags
 - b. ASP.NET doesn't server-side object tags
1. Only a
 2. Only b
 3. Both a and b
 4. None of the above
30. In ASP.NET in form page the object which contains the user name is _____?
1. Page.User.IsInRole
 2. Page.User.Name
 3. Page.User.Identity
 4. None of the Above
31. In .NET the operation of reading metadata and using its contents is known as _____?
1. Enumeration
 2. Reflection
 3. Serialization
 4. Binding
32. Which of the following can be used to add alternating color scheme in a Repeater control?
1. ColorValidator
 2. AlternatingItemTemplate
 3. DataSource
 4. DataSourceeld
33. Which of the following namespace in Microsoft .NET framework that provides the functionality to implement transaction processing?
1. System.Diagnostics
 2. System.Security
 3. System.EnterpriseServices
 4. System.Data
34. Which of the following is the way to monitor the web application?
1. MMC Event viewers
 2. Performance logs
 3. Alerts Snap-ins
 4. All of the above
35. Which of the following attributes do you use to hide a public .Net class from COM?
1. COM Interop
 2. ComVisible attributes
 3. DllImport Attributes
 4. All of the above
36. _____ is an open, Internet-based specification that offers directory service for storing information about web services.
1. Web services
 2. Web Services Description Language
 3. Universal Description, Discovery and Integration
 4. Simple Object Access Protocol
37. Can we use a master page inside a master page means nested master page in an asp .net application?
1. Yes
 2. No
 3. Can not say
 4. None of the above
38. How do we enable tracing?
1. <%@ Page Trace="0" %>
 2. <%@ Page Trace="1" %>
 3. <%@ Page Trace="true" %>
 4. <%@ Page EnableTrace="true" %>
39. In which of the following event are the controls fully loaded?
1. Page_Init
 2. Page_Load
 3. Page_render
 4. Page_StoreViewState
40. Which of the following are the things to remember so that StateServer session Mode works properly?
1. StateServer mode session data is stored in a different process so you must ensure that your objects are serializable.
 2. <machineKey> elements in Web.config should be identical across all servers. So this ensures that encryption format is same across all computers.
 3. IIS metabase (\LMW3SVC\2) must be identical across all servers in that farm.
 4. All of the above
41. Which of the following is true about hidden frames?
1. You can cache more than one data field using hidden frames.
 2. The ability to cache and access data items stored in different hidden forms.
 3. The ability to access JScript® variable values stored in different frames if they come from the same site.
 4. All of the above
42. Which of the following code is used to create an ASPX page that periodically refreshes itself?
1. <meta http-equiv="Refresh" content="nn">
 2. <asp: http-equiv="Refresh" content="nn">
 3. <%@ Page Language="C#" http-equiv="Refresh" %>
 4. <%@ Page Language="C#" http-equiv="Refresh" content="nn"%>

43. Which of the following is/are name of property common in every validation control?
1. ControlToValidate property
 2. Text property
 3. Both 1 and 2
 4. None of the above
44. Can you edit data in the Repeater control?
1. Yes
 2. No
 3. Can not say
 4. None of the above
45. During designing a Microsoft Office SharePoint Server 2007 solution, you need to implement a Single SignOn (SSO) provider to access a Business Data Catalog (BDC) What should you do?
1. Reference the Microsoft.Office.Server.WebControls assembly
 2. Reference the Microsoft.SharePoint.Portal assembly
 3. Reference the Microsoft.SharePoint.SoapServer assembly
 4. Reference the Microsoft.Office.Server.Utilities assembly
46. Which of the following statement is true about a web application in SharePoint?
1. From Central Admin we can create the web application. Each web application is associated with one IIS web site.
 2. Once the web application is created, we can extend the web application in different zones.
 3. For each web application, content database is created
 4. All of the above
47. How many web applications we can create on WSS server?
1. 99
 2. 199
 3. 100
 4. 200
48. To create browser history point using client script, which of the following method is called _____?
1. Sys.Application.createHistoryPoint
 2. Sys.Application.saveHistoryPoint
 3. Sys.Application.makeHistoryPoint
 4. Sys.Application.addHistoryPoint
49. Which of the following is parent xaml tag of the Silverlight page?
1. <UserControl> </UserControl>
 2. <@page />
 3. <Grid> </Grid>
 4. <asp></asp>
50. What is name of Linux version of silverlight?
1. LinLight
 2. MoonLit
 3. MoonLight
 4. None of the above
51. Which of the following is not a C# keyword?
1. implements
 2. explicit
 3. implicit
 4. interface
52. "sealed" modifier specifies that –
1. A class is inherited by a base class of other classes.
 2. Specifies that a class must be inherited.
 3. Specifies that a class cannot be inherited
 4. None of the above.
53. Which is true about fixed statement?
1. The fixed statement is only permitted in a safe context.
 2. The fixed statement prevents the garbage collector from relocating a movable variable.
 3. Fixed cannot be used to create fixed size buffers.
 4. All of the above.
54. Which statement is used to replace multiple if statements is called _____?
1. ternary operator
 2. The #endif statement
 3. The nestedif statement
 4. The switch & case statement
55. Keyword that ensures one thread does not enter a critical section of code while another thread is in the critical section.
1. seal
 2. synchronize
 3. lock
 4. fixed
56. Which of the keyword is for generics?
1. intenal
 2. out
 3. implicit
 4. param
57. Which is true about #line preprocessor directives?
1. #line lets you modify the compiler's line number.
 2. #line lets you modify the file name output for errors and warnings.
 3. A source code file can have any number of #line directives.
 4. All of the above.
58. Which is true about Delegates?
1. Delegates can be used to define callback methods.
 2. Delegates don't allow methods to be passed as parameters.
 3. Delegates cannot be chained together.
 4. All of the above.
59. Correct initialization of jagged array is:-
1. `int[][] myJaggedArray = new int[3][];`
 2. `int[][] myJaggedArray = new int [][] {
 new int[] {1,3,5,7,9},
 new int[] {0,2,4,6},
 new int[] {11,22}
};`
 3. `int[][] myJaggedArray = {
 new int[] {1,3,5,7,9},
 new int[] {0,2,4,6},
 new int[] {11,22}
};`
 4. All of the above.
60. Nested nullable types `Nullable<Nullable<int>>` n are allowed.
1. true
 2. compilation fail
 3. Depend upon assigned value of null.
 4. None of Above.
61. Which of these string definitions will prevent escaping on backslashes in C#?
1. `string s = @" This is Test string";`
 2. `string s = #" This is Test string";`
 3. `string s = &" This is Test string";`
 4. `string s = %" This is Test string";`

62. How can you sort the elements of the System.Array in descending order?
1. By calling ReverseSort();
 2. By calling Descend();
 3. By calling Sort() and then Reverse() methods.
 4. By calling SortReverse();
63. Compiler options to specify what version of the language to use.
1. /langversion
 2. /languageversion
 3. /lang_version
 4. / language_version
64. Why we are using System.Environment class?
1. The aim of using System.Environment class is to get the command-line arguments.
 2. This class helps us to retrieve the environment variable settings for a particular contents of the call stack.
 3. This class can find the time of last system boot and version.
 4. All of the above.
65. All Regular Expression types are defined in which Class?
1. System.RegularExpressions.
 2. System.Text.RegExpressions.
 3. System.Text.RegularExpressions.
 4. System.RegExpressions.
66. When creating a C# Class Library project, what is the name of the supplementary file that Visual Studio.NET creates that contains General Information about the assembly?
1. AssemblyInfo.cs
 2. AssemblyInfo.xml
 3. AssemblyInformation.cs
 4. AssemblyAttributes.cs
67. C# types are defined in _____, organized by _____, compiled into _____, and then grouped into _____.
1. files, modules, namespaces, assemblies
 2. files, namespaces, assemblies, modules
 3. files, assemblies, namespaces, modules
 4. files, namespaces, modules, assemblies
68. What methods are fired during the page load?
1. Init(), Load (), Unload (), PreRender ()
 2. Load(), Init (), PreRender (), Unload ()
 3. Init(), Load (), PreRender(), UnLoad()
 4. Init(), Load (), UnLoad(), PreRender()
69. A sealed class means that...
1. No class can inherit from this class.
 2. No more functionality can be added to the class while re-designing the class.
 3. The class is an abstract class.
 4. This class cannot be inherited from any other class.
70. The tool used to view information for a specific base class is _____.
1. RegEdit
 2. WinCV
 3. ClassView
 4. ILDASM
71. Which of the following method is used to lock a thread at the time of synchronization?
1. Monitor.Enter()
 2. Monitor.Pulse()
 3. Monitor.Wait()
 4. Monitor.Lock()
72. Which of the following class declarations create a new exception named ValidationException?
1. [Exception()]
 2. public class ValidationException {}
 3. public exception ValidationException;
 4. public class ValidationException : System.Exception {}
73. You are in charge of creating a remote object that will return database records to the caller of the method. You want to keep track of the number of requests. Which activation mode would you use?
1. SingleCall
 2. Singleton
 3. Client-activated
 4. Server-activated
74. internal class Piston {}
internal class Engine
{
 private Piston[] myPistons = new Piston[4];
 public bool Ignition()
 {
 //some code
 }
}
- public class Car
{
 private Engine myEngine = new Engine();
 public void Start()
 {
 if (myEngine.Ignition())
 {
 //some more code
 }
 }
}
- What concept does the above sample code demonstrate?
1. Delegation
 2. Combination
 3. Composition
 4. Inheritance
75. Web Services are
1. Programmable business logic component
 2. Provide access to functionality through the internet
 3. Based on SOAP, which is an application of XML
 4. All of the above
76. Below are .NET Framework hierarchy, which one are right.
1. Namespaces -> Classes -> Method -> Properties
 2. Classes -> Namespaces -> Method -> Properties
 3. Namespaces -> Method -> Classes -> Properties
 4. None of the above
77. CLR itself manages the life of _____
1. Classes
 2. Namespaces
 3. Objects
 4. Objects and classes
78. How many types of assemblies are there?
1. Private
 2. Public/Shared
 3. Satellite
 4. All of the above

79. Can I use a written assembly in more than one application?
1. Yes
 2. No
 3. In C# only
 4. Cant say
80. Can I use COM objects from a .NET Framework program?
1. May be
 2. No
 3. Yes
 4. Cant say
81. Components of .NET Framework are:
- a. Common language runtime.
 - b. Global Assembly Cache.
 - c. Common Type System.
 - d. Framework Class Library.
 - e. Common Language Specification.
1. a, c & e
 2. a & d
 3. a, b & d
 4. a, d & e
82. What is SOAP?
1. It is a binary-based protocol for exchanging structured information between systems.
 2. It is a discovery service for Web services.
 3. It is a set of XML messages used to discover the URLs of XML Web services located on a Web server.
 4. It is an XML-based protocol for exchanging structured information between systems
83. What are the series of steps of execution process .NET?
- a. Choosing a Compiler
 - b. Conversion of MSIL to native code.
 - c. Conversion from source Code to MSIL
 - d. Loading assembly in memory
1. a c b d
 2. d c b a
 3. a c d b
 4. c d b a
84. Which of the following cannot be declared as virtual
1. Static functions
 2. Member fields
 3. Instance functions
 4. All of the above
85. Interface members cannot be declared as
1. Virtual
 2. Static
 3. Private
 4. All of the above
86. Which method is implicitly called when an object is created
1. Main Method
 2. Constructor Method
 3. Destructor Method
 4. Init Method
87. Which preprocessor directive is used to mark that contain block of code is to be treated as a single block?
1. # Region & #EndRegion
 2. # define & #undef
 3. #Line
 4. None of the above
88. Which method is actually called ultimately when Console.WriteLine is invoked.
1. Append()
 2. AppendFormat()
 3. ToString()
 4. None of the above
89. What is the output of Vectors.RemoveAt(1)
1. Removes the object whose key is 1
 2. Removes the object whose value is 1
 3. Removes the object at position 1
 4. None of the above
90. How do you add objects to hashtable
1. With Add method
 2. With insert Method
 3. With = operator
 4. None of the above
91. An application manages order entry data by using a DataSet object named orderEntry. The orderEntry object includes two DataTable objects named orderNames and OrderDetails. A ForeignKeyConstraint object named orderDetailsKey is defined between the two DataTable objects. When we attempt to delete a row in orderNames while there are related rows in OrderDetails and an exception is generated. What is the most likely cause of the problem?
1. The current value of OrderDetails.KeyDeleteRule is Rule.Cascade.
 2. The current value of OrderDetails.KeyDeleteRule is Rule.SetNull.
 3. The current value of OrderDetails.KeyDeleteRule is Rule.SetDefault.
 4. The current value of OrderDetails.KeyDeleteRule is Rule.None.
92. An application uses an ADO.NET DataSet object that contains two DataTable objects. One table is named Orders and the other table is named OrderDetails. The application displays data from the Orders table in a list box. We want the order details for an order to be displayed in a grid when a user selects the order in the list box. We want to modify these objects to enable your code to find all the order details for the selected order. What should you do?
1. Use the DataSet.Merge method to connect the Orders table and the OrderDetails table to each other.
 2. Add a DataRelation object to the Relations collection of the DataSet object.
 3. Add a ForeignKeyConstraint to the OrderDetails table.
 4. Add a keyref constraint to the OrderDetails table.
93. An application that display a sorted list of products in a DataGrid control. The product data is stored in a Microsoft SQL Server database. Each product is identified by a numerical value named ProductID and each product has an alphabetic named ProductName. We write ADO.NET code that uses a SqlDataAdapter object and a SqlCommand object to retrieve the product data from the database by calling a stored procedure. We set the CommandType property of the SqlCommand object to CommandType.StoredProcedure. We set the CommandText property of the object to procProductList. Our code successfully fills a DataTable object with a list of products that is sorted by ProductID in descending order. We want the data to be displayed in reverse alphabetic order by ProductName. What should you do?

1. Change the CommandType property setting of the SqlCommand object to CommandType.Text. Change the CommandText property setting of the SqlCommand object to the following: `SELECT * FROM procProductList ORDER BY ProductName DESC`; Bind the DataGridView control to the DataTable object.
 2. Set the DisplayExpression property of the DataTable object to `ORDER BY ProductName`.
 3. Create a new DataView object based on the DataTable object. Set the Sort Property of the DataView object to `ProductName DESC`. Bind the DataGridView control to the DataView object.
 4. Set the DisplayExpression property of the DataTable object to `ORDER BY ProductName DESC`. Bind the DataGridView control to the DataTable object.
94. An application that displays employee data from a DataSet object. You want to fill the DataSet object and then you want to retrieve a reference to the employee whose primary key has the value of 1. You write the following code. (Line numbers are included for reference only)
- ```

01 SqlConnection(connString);
02 conn.Open();
03 SqlCommand cmd = new SqlCommand
("SELECT * FROM Employees ", conn);
04 SqlDataAdapter da = new SqlDataAdapter(cmd);
05 DataSet ds = new DataSet();
06
07 da.Fill(ds, "Employees ");
08
09 DataRow dr;
10 dr = ds.Tables["Employees"].Rows.Find(1);
11 nameLabel.Text = dr["Name"].ToString();

```
- When you run the code, you receive the following error message at line 10: Table doesn't have a primary key. You ensure that a primary key is defined on the Employees table in the database. You want to alleviate the error to allow the code to run correctly. You also want to catch the exception that would occur if the employee whose primary key has the value if 1 is deleted from the database. Which two actions should you take?
1. Add the following code at line 06: `dMissingSchemaAction = MissingSchemaAction.AddWithKey;`
  2. Add the following code at line 06: `da.MissingSchemaAction = MissingSchemaAction.Add;`
  3. Add the following code at line 06: `da.MissingSchemaAction = MissingSchemaAction.Ignore;`
  4. Add the following code at line 06: `da.MissingSchemaAction = MissingSchemaAction.Error;`
95. An application to retrieve sales data from a Microsoft SQL Server database. You are writing a method named `GetYTDSales` to run a stored procedure in the SQL Server database. The stored procedure has one input parameter that is used to specify a product. The stored procedure returns the year-to-date sales for those products. You declare a numeric variable in the `GetYTDSales` method. You want to assign the return value of the
- stored procedure to the variable. What should you do?
1. Create a SqlDataAdapter object and call its Fill method to run the stored procedure and assign the year-to-date sales value to your numeric variable.
  2. Create a SqlDataAdapter object and call its Update method to run the stored procedure and assign the year-to-date sales value to your numeric variable.
  3. Create a SqlCommand object and call its ExecuteScalar method to run the stored procedure and assigns the year-to-date sales value to your numeric variable.
  4. Create a SqlCommand object and call its ExecuteReader method to run the stored procedure and assign the year-to-date sales value to your numeric variable.
96. Employees will use an application to administer their employee benefits. The benefits information is stored in a Microsoft SQL Server database named Benefits. An employee can select benefit options from 10 different drop-down list boxes. The values for each list are stored in separate tables in the Benefits database. The values that are available for employees to choose can change once each year during the benefits enrollment period. You want to minimize the number of times your application must access the Benefits database to obtain the values for the drop-down list box. Which action should you take?
1. Create one stored procedure that returns the result for all 10 drop-down list boxes.
  2. Create one DataTable object for each of the 10 drop-down list boxes. Use a SqlDataReader object to populate 10 DataTable objects by calling the `NextResult()` method. Bind the drop-down list boxes to the DataTable objects.
  3. Create a stored procedure that returns the result set for all 10 drop-down list boxes. Bind the drop-down list boxes to the DataReader object.
  4. Store the result sets for the 10 drop-down list bikes in a file on the user's computer by using the `DataSet.WriteXml()` method.
97. You are using creating an accounting application for your company. You are writing code to run a set of stored procedures that perform posting operations in a database at the end of each month. You use an OleDbConnection object to connect to the database. You use an OleDbCommand object to run the stored procedures. If an error occurs during execution of any of the stored procedures, you want to roll back any data changes that were posted. You want the changes to be committed only if all of the posting operations succeed. You write code to catch an OleDbException object if an error occurs during the execution of a stored procedure. What else should you do?
1. Call the `BeginTransaction` method of the OleDbConnection object before running the stored procedure. If an error occurs, use the OleDbConnection object to roll back the changes.
  2. Use the `BeginTransaction` method of the

- OleDbConnection object to create an OleDbTransaction object. Assign the OleDbTransaction object to the Transaction property of your OleDbCommand object. If an error occurs, use the OleDbTransaction object to roll back the changes.
3. Call the BeginTransaction method of the OleDbConnection object before running the stored procedures. If an error occurs, use the OleDbException object to roll back the changes.
  4. Use the BeginTransaction method of the OleDbConnection object to create an OleDbTransaction object. Pass a reference to the OleDbTransaction object to each stored procedure. Use error handling inside the stored procedures to roll back the changes.
98. An application that uses role-based security to allow users to access only those pages that they are authorized to access. You use a Microsoft SQL Server database to manage the list of users and roles for the application. A table named Roles contains a column named RoleID and a column named RoleName. A table named Users contains a column named UserID, a column named UserName, and a column named Password. A table named UserRoles contains a column named UserID and a column named RoleID. You need to create a stored procedure that returns all users who belong to a specific role. You write the following Transact-SQL code to define the stored procedure: CREATE PROCEDURE GetRoleMembers @RoleID int AS
- Which code segment should you use to complete the stored procedure?
1. SELECT UserRoles.UserID, Users.UserName FROM Users INNER JOIN Roles UserRoles On UserRoles.RoleID = Users.UserID WHERE UserRoles.RoleID = @RoleID
  2. SELECT UserRoles.UserID, Users.UserName FROM UserRoles INNER JOIN Roles On UserRoles.RoleID = Roles.RoleID, Users WHERE UserRoles.RoleID = @RoleID
  3. SELECT UserRoles.UserID, Users.UserName FROM UserRoles INNER JOIN Users On Users.UserID = UserRoles.UserID HERE UserRoles.RoleID = @RoleID
99. You create an application that accesses sales and marketing data. The data is stored in a Microsoft SQL Server 2000 database on a server named Server01. The company purchases a factory automation software application. The application is installed on Server01, where it creates a second instance of SQL Server 2000 named Factory and a database named Factory DB. You connect to FactoryDB by using Windows Integrated authentication. You want to add a page to your application display inventory data from FactoryDB. You use a SqlConnection object to connect to the database. You need to create a connection string to connect to FactoryDB in the instance of SQL Served named Factory on Server01. Which string should you use?
1. "Server= Server01;Data Source=Factory;Initial Catalog=FactoryDB;Integrated Security=SSPI"
  2. "Server= Server01;Data Source=Factory; Database=FactoryDB;Integrated Security=SSPI"
  3. "Data Source= Server01\Factory;Databse=FactoryDB; Integrated Security=SSPI"
  4. "Data Source= Server01\Factory;Initial Catalog=Factory; Integrated Security=SSPI"
100. You are creating an application for the sales department at your company. The page enables users to access data for individual customers by selecting a customer's name. After a customer's name is selected, the page displays a list of that customer's unshipped orders and the total year-to-date (YTD) sales to that customer. Your company's sales data is stored in a Microsoft SQL Server database. You write a stored procedure to return the data that you need to display on the ASP.NET page. The stored procedure returns a result set containing the list of unshipped orders, and it returns the YTD sales in a parameter named @YTD. You write code that uses a SqlCommand object named cmd and a SqlDataReader object named reader to run the stored procedure and return the data. You bind reader to a DataGrid control on your page to display the list of unshipped orders. You want to display the YTD sales in a Label control named ytdLabel. Which code segment should you use?
1. reader.Close()  
ytdLabel.Text = cmd.Parameters(@YTD).Value.ToString()
  2. ytdLabel.Text = reader.NextResult().ToString()
  3. ytdLabel.Text = cmParameters(@RETURN\_VALUE).Value.T oString()  
reader.Close()
  4. reader.NextResult()  
ytdLabel.Text = cmd.Parameters(@YTD).Value.ToString()  
reader.Close()