

Date: July 31, 2009

### Microsoft .NET (120 Minutes)

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|---|---|
| <ol style="list-style-type: none"> <li>1. Which of the following query is /are include in LINQ (Language Integrated Query)? <ol style="list-style-type: none"> <li>1. LINQ to object and LINQ to XML</li> <li>2. LINQ to SQL</li> <li>3. Both 1 and 2</li> <li>4. LINQ to Class</li> </ol> </li> <li>2. _____ contains changes and improvements in numerous areas, including versioning, the application model, data binding, controls, documents, annotations, and 3-D UI elements. <ol style="list-style-type: none"> <li>1. Windows Communication Foundation</li> <li>2. Windows Presentation Foundation</li> <li>3. Windows Workflow Foundation</li> <li>4. None of the above</li> </ol> </li> <li>3. Which of the following new control added along with a new data source control called the LinqDataSource in ASP. Net3.5? <ol style="list-style-type: none"> <li>1. ListView, DataPager</li> <li>2. Gridview, Datagrid</li> <li>3. Gridview, DataView</li> <li>4. DataPager</li> </ol> </li> <li>4. Which of the assembly is used to include the implementation for LINQ to Dataset? <ol style="list-style-type: none"> <li>1. System.Xml.Linq.dll</li> <li>2. System.Data.Linq.dll</li> <li>3. System.Core.dll</li> <li>4. System.Data.DataSetExtensions.dll</li> </ol> </li> <li>5. Which of the following is /are the main Components of the WCF? <ol style="list-style-type: none"> <li>1. Service class</li> <li>2. Hosting environment</li> <li>3. End point</li> <li>4. All of the above</li> </ol> </li> <li>6. Our application assemblies need to be installed into the GAC (Global Assembly Cache). What deployment strategy should we adopt? <ol style="list-style-type: none"> <li>1. Use XCOPY to copy the files</li> <li>2. Use ClickOnce.</li> <li>3. Create a Setup Application</li> <li>4. Create a CAB project</li> </ol> </li> <li>7. We are developing a .NET assembly, which will be used from both, .NET components and COM components. Which of the following utilities do we need to use to ensure that COM components can access your assembly as easily as possible? <ol style="list-style-type: none"> <li>1. gacutil</li> <li>2. sn</li> <li>3. regasm</li> <li>4. All of the above</li> </ol> </li> <li>8. We are developing a .NET assembly, which will be used from both, .NET components and COM components. Which of the following code is used to notify the caller that incorrect arguments were passed to a method? <ol style="list-style-type: none"> <li>1. Marshal.ThrowExceptionForHR(0x80070057);</li> <li>2. throw new ArgumentException("Invalid Argument");</li> <li>3. Return Marshal.GetExceptionForHR(0x8007005);</li> <li>4. Exception e = new Exception("Invalid argument"); e.HResult = 0x80070057; throw e;</li> </ol> </li> </ol> | <ol style="list-style-type: none"> <li>9. Which of the following code is used to retrieve a reference to the current application domain? <ol style="list-style-type: none"> <li>1. AppDomain ad = AppDomain.GetCurrentDomain();</li> <li>2. AppDomain ad = AppDomain.Current;</li> <li>3. AppDomain ad = Thread.CurrentThread.CurrentDomain;</li> <li>4. AppDomain ad = Thread.GetDomain();</li> </ol> </li> <li>10. Our application is failing when a particular variable equals 20. Unfortunately, we cannot predict when this will happen. Which debugging tool should we use to investigate the problem? <ol style="list-style-type: none"> <li>1. Locals Window</li> <li>2. Conditional Breakpoint</li> <li>3. Output Window</li> <li>4. Immediate Window</li> </ol> </li> <li>11. We would like to give the user the ability to customize our application so that it fits in better with his or her company's corporate look and feel. In particular, we want to let the user specify text to appear in the title bar of the main menu form. How should we add this ability to our application? <ol style="list-style-type: none"> <li>1. Run code in the form's Load event to retrieve the form's text from a text file by using a FileStream object.</li> <li>2. Supply full source code with your application and tell users that they can edit the text and rebuild the application.</li> <li>3. Let the user edit the text in the Registry and use the Microsoft.Win32.Registry class to retrieve the value that the user saves.</li> <li>4. Make the Text property of the form a dynamic property and provide an XML file that the user can edit to set the value of the property.</li> </ol> </li> <li>12. We are moving an existing COM-based application to .NET. Part of our existing application depends on a third-party COM-based library to which we do not have the source code. The library is implemented as a set of objects with no user interface. How should we proceed? <ol style="list-style-type: none"> <li>1. Use the ActiveX Control Importer to import the library.</li> <li>2. Build a Runtime Callable Wrapper (RCW) for the library.</li> <li>3. Rewrite the library into managed code.</li> <li>4. Build a COM callable wrapper for the library.</li> </ol> </li> <li>13. We are planning to deploy an assembly into the GAC so that it can be used by any application on the target computer. What must we do? <ol style="list-style-type: none"> <li>1. Sign the assembly with a strong name.</li> <li>2. Compile the assembly with the default Release configuration.</li> <li>3. Sign the assembly with an Authenticode certificate.</li> <li>4. Use regedit to add a key to the AssemblyFolders key in the Registry.</li> </ol> </li> <li>14. We have purchased a library of shared communications routines that is delivered as a .NET assembly. We want to make the classes in this assembly available to all your .NET applications. Where should we install the assembly?</li> </ol> |
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1. In the directory specified by the ASSEMBLY environment variable
  2. In each application's private directory
  3. In C:\WINNT\System32
  4. In the GAC
15. We are using the Installer tool (installutil.exe) to install a set of components. We issue the following command to do so:  
installutil Assembly1.exe Assembly2.exe Assembly3.exe  
Assembly2 fails to install properly on the target computer. Which assemblies will be installed by the command?
1. Only Assembly1.exe will be installed.
  2. Both Assembly1.exe and Assembly2.exe
  3. None of the assemblies will be installed.
  4. Only Assembly3.exe will be installed.
16. What is the fastest way to concat strings in ASP.NET?
1. Write code that uses the Append method of the StringBuilder object.
  2. Write code that uses the Substring method of the String object.
  3. Write code that uses the Concat method of the String object
  4. Write code that uses the plus-sign (+) operator to concatenate the strings.
17. Which of the following code is used to turn Session state off for an entire application?
1. In web.config file, set  
<EnableSessionState="False"/>
  2. In machine.config file, set  
<EnableSessionState="False"/>
  3. In web.config file, set <sessionstate mode="False"/>
  4. In machine.config file, set <sessionstate mode="False"/>
18. We are creating an ASP.NET application for tracking student examinations. We use Microsoft Windows authentication. Students are members of a Students group, and teachers are members of a Teachers group.  
The root folder for our application is named Exams. The Exams folder displays information about pending examinations. The Exams folder has a subfolder named Grades. Both Students and teachers can access pages in Exams. Only teachers can access page in Grades.  
We create the following entries in the Web.config file in Exams.
- ```

1 <authentication mode ="Windows " / >
2 <authorization>
3 <allow roles ="Students, Teachers " / >
4 <deny users ="*" / >
5 </ authorization>

```
- We create the following entries in the Web.config file in Grades.
- ```

1 <authentication mode ="Windows " / >
2 <authorization>
3 <allow roles ="Teachers " / >
4 <deny users ="*" / >
5 </ authorization>

```
- When teachers try to access pages in the Grades folder, they receive an error message that reads in part:  
"An error occurred during the processing of a configuration file required to service this request."  
We need to ensure that teacher's can access pages in the Grades folder.
- What should we do?
1. Modify line 4 in the Web.config file in Grades as follows:  
<allow users ="\*" / >
  2. Add the following line between line 1 and line 2 in the Web.config file in Grades:  
<identity impersonate ="true " / >
  3. Add the following line between line 1 and line 2 in the Web.config file in Grades:  
<identity impersonate ="false " / >
  4. Remove line 1 in the Web.config file in Grades.
19. We are creating an ASP.NET application. The application will be deployed on CDAC intranet. CDAC uses Microsoft Windows authentication. We want the application to run in the security context of the user. What should we do?
1. Add the following element to the authentication section of the Web.config file:  
<allow users ="? " / >
  2. Add the following element to the system.web section of the Web.config file:  
<identity impersonate ="true " / >
  3. Use the Configuration Manager for your project to designate the user's security context.
  4. Write code in the Application\_AuthenticateRequest event handler to configure the application to run in the user's security context.
20. We create an ASP.NET application for a hotel. The application contains a page that displays current weather conditions for the city in which the hotel is located. The application calls an XML Web service every 5 minutes to update the current weather conditions. A new page is then displayed for subsequent requests.  
We want the same page to be cached and retrieved from the cache during the time between calls to the XML Webservice. We decide to use a Page directive to accomplish this goal.  
Which page directive should We use?
1. <%@ Output Cache Duration="300" VaryByParam="None " %>
  2. <%@ Cache Seconds ="300" VaryByParam="page " %>
  3. <%@ Out put Cache Duration="300" %>
  4. <%@ Output Cache Time ="300" %>
21. Is this code will work?  
Server.Transfer ("home.htm");
1. Yes, It will work
  2. No, It will not work.
  3. It will work if we write like this:  
Server.Transfer ("~/home.htm");
  4. It will work if we write like this:  
Server.Transfer ("home.htm", true);
22. Where would we save the following data items so that they persist between requests to a web form?
- a. A control created at run time
  - b. User preferences
1. A control created at run time=Viewstate  
User preferences=Application state
  2. A control created at run time=SessionState  
User preferences=Context.Handler object
  3. A control created at run time=Viewstate  
User preferences=SessionState
  4. A control created at run time=Viewstate  
User preferences=Cookies

23. We have written an ASP.NET application using C#, and we are ready to deploy it to a Web server. We will use a Windows Installer Web setup project to create an installation routine. What action must we perform so that a virtual directory named CdacPuneApp is created on the Web server?
1. In our application's Web.config file, create a custom attribute with the value of CdacPuneApp
  2. Change the name of the setup project to CdacPuneApp.
  3. Create a merge module that will create the virtual directory.
  4. Set the VirtualDirectory property of the Web Application folder in the setup project to CdacPuneApp
24. We want our application to load the localized resources for the French language, but we want numbers and date/times to be displayed in the (US) United States format. What code should we use?
1. `Thread.CurrentThread.CurrentCulture=new CultureInfo("en-US");  
Thread.CurrentThread.CurrentCulture += new CultureInfo("fr");`
  2. `Thread.CurrentThread.CurrentCulture=new CultureInfo("en-US");  
Thread.CurrentThread.CurrentUICulture = new CultureInfo("fr");`
  3. `Thread.CurrentThread.CurrentUICulture = new CultureInfo("en-US");  
Thread.CurrentThread.CurrentUICulture += new CultureInfo("fr");`
  4. `Thread.CurrentThread.CurrentUICulture = new CultureInfo("en-US");  
Thread.CurrentThread.CurrentCulture = new CultureInfo("fr");`
25. How can we generate client-side proxy classes for a Web service?
1. Use a proxy tool such as the .NET WebService Studio tool.
  2. Use the Web Services Description Language tool. And Set a Web reference to point to the Web service.
  3. Use the Web Services Discovery tool.
  4. Both 1 and 3
26. We have created an ASP.NET Web service project that includes a class named RefLibrary. The RefLibrary class contains this method:
- ```
public String Version()
{
    Version = "1.0.0.8";
}
```
- We are able to instantiate the RefLibrary class from a Web service client project, but the Version() method is not available. What could be the problem?
1. Only void methods can be part of the public interface of a Web service.
  2. The methods of a Web service can return only Object data.
  3. You must mark the method with the WebService attribute.
  4. You must mark the method with the WebMethod attribute.
27. We are creating a custom exception named BusinessException for an application. Which constructors should we implement for this class?
1. `public MyOwnCustomException ()`
  2. `public MyOwnCustomException (string message) : base(message)`
  3. `public MyOwnCustomException(string message,Exception inner) : base(message, inner)`
  4. All of the above
28. We want to use a Web service that supplies travel weather information in an application. Now the URL of the .asmx file published by the Web service, but we do not know any details of the Web service's interface. What action should we take first?
1. Open the .asmx file in a Web browser.
  2. Run the XML Schema Definition tool.
  3. Run the Web Service Discovery tool.
  4. Copy the .asmx file to your client project.
29. \_\_\_\_\_ represent general languages without region-specific differences, such as currency.
1. CurrentCulture property
  2. CurrentUICulture property
  3. neutral culture
  4. None of the above
30. We are creating an ASP.NET application for a company. Customers will use the application to file claim forms online. We plan to deploy the application over multiple servers. We want to save session state information to optimize performance. What is possible way to achieve this goal?
1. Modify the Web.config file to support InProc mode.
  2. Modify the Web.config file to support StateServer mode or SQLServer mode.
  3. In the Session\_Start procedure in the Global.asax file, set the EnableSession property of the WebMethod attribute to true.
  4. None of the above
31. We create an ASP.NET application to display a sorted list of products in a DataGrid control. The product data is stored in a Microsoft SQL Server database named DatabaseDB. Each product is identified by a numerical value named ProductID, and each product has an alphabetic description 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. You set the CommandType property of the SqlCommand object to CommandType.StoredProcedure. We set the CommandText property of the object to procProductList. Our code successfully files a DataTable object with a list of products that is sorted by ProductID in descending order. We want to data to be displayed in reverse alphabetic order by ProductName. What should we do?
1. Set the DisplayExpression property of the DataTable object to "ORDER BY ProductName DESC". Bind the DataGrid control to the DataTable object.
  2. Set the AllowSorting property of the DataGrid control to True. Set the SortExpression property of the DataGridColumn that displays ProductName to "ProductName DESC". Bind the DataGrid control to the DataTable object

3. Create a new DataView object based on the DataTable object. Set the Sort Property of the DataView object to "ProductName DESC". Bind the DataGrid control to the DataView object.
4. 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 DataGrid control to the DataTable object.
32. We are creating an ASP.NET application for a Company. An earlier version of the application uses ActiveX components that are written in Visual Basic 6.0. The new ASP.NET application will continue to use the ActiveX components. We want the marshaling of data between your ASP.NET application and the ActiveX components to occur as quickly as possible. Which action should we take?
  1. Use late binding, Set the AspCompat attribute of the Page directive to false.
  2. Use early binding, Set the AspCompat attribute of the Page directive to true.
  3. Use ODBC binding. Set the AspCompat attribute of the Page directive to Enable.
  4. None of the above
33. Which of the following is/are way to pass data between tiers?
  1. DataSet, DataReader
  2. Custom classes, XML
  3. Both 1 and 2
  4. None of the above
34. \_\_\_\_\_ are recurring solution to recurring problems in software architecture.
  1. Design patterns
  2. Creational patterns
  3. Structural patterns
  4. Behavioral patterns
35. Models in which multiple processes run on multiple CPUs in a single server machine are known as a \_\_\_\_\_.
  1. Web garden
  2. Web farms
  3. Web services
  4. None of the above
36. Which of the following code is used to sign out in forms authentication?
  1. `FormAuthentications.SignOut()`
  2. `FormsAuthentication.SignOut()`
  3. `FormsAuthentications.SignOut()`
  4. `FormsAuthentication.Signout()`
37. What is the extension for custom ASP .Net HTTP handlers?
  1. .rem
  2. .asmx
  3. .ashm
  4. .ascx
38. Which of the following JavaScript file is referenced for validating the validators at the client side?
  1. `WebClientValidation.js`
  2. `WebUIValidation.js`
  3. `WebClientScript.js`
  4. `Tooltip_V0.2.js`
39. Which of the following property is used to prevent flickering and redrawing when the page is posted back?
  1. Impersonate
  2. SmartNavigation
  3. EnableViewStateMac
  4. All of the above
40. What are the sequences in which ASP.Net events processed?
  1. Page\_Init, Control events, Page\_Unload event
  2. Page\_Init, , Control events, Page\_Load Page\_Unload event
  3. Page\_Load, Page\_Init, Control events, Page\_Unload event
  4. Page\_Init, Page\_Load, Control events, Page\_Unload event
41. Which of the following statement is/are false?
  - a. Finalize method of VB.NET implements the functionality same as Destructor in C#
  - b. VB support multiple inheritances.
  1. Only a
  2. Only b
  3. Both a and b
  4. None of the above
42. If a method is marked as protected internal who can access it?
  1. Internal methods can be only be called using reflection
  2. Classes that are both in the same assembly and derived from the declaring class.
  3. Classes within the same assembly, and classes derived from the declaring class.
  4. Only methods that is in the same class as the method in question.
43. Which of the following statement is true?
  - a. A module is invisible when its code is running.
  - b. Declarative calls are performed using attributes
  1. Only a
  2. Only b
  3. Both a and b
  4. None of the above
44. A developer must be familiar with which of the following code access security concepts in order to write effective applications targeting the common language runtime?
  1. Requesting permissions for your code
  2. Imperative and declarative syntax
  3. Writing type-safe code and Using secure class libraries
  4. All of the above
45. Which of the following is/are the main styles for Windows application UI?
  1. Single-document, multiple-document interface
  2. Explorer-style interface
  3. Both 1 and 2
  4. Sheet-style interface
46. Is the below statement true?  
The lifetime of the startup form is what determines the lifetime of the application. It is NOT possible to separate the lifetime of the application from the lifetime of the form.
  1. True
  2. False
  3. Cannot say
  4. Hard to determine



47. Which of the following statement is true?
- It is technically possible for you to specify the same property value for a group of controls.
  - When you add a Windows Form to a project, it will not display itself by default at run time.
- Only a
  - Only b
  - Both a& b
  - None of the above
48. We create a Windows control that will display custom status bar information. Many different developers in our company will use the control to display the same information in many different applications. The control must always be displayed at the bottom of the parent form in every application. It must always be as wide as the form. When the form is resized, the control should be resized and repositioned accordingly. What should we do?
- Place the following code segment in the UserControl\_Load event: Me.Dock = DockStyle.Bottom
  - Create a property to allow the developers to set the Dock property of the control. Set the default value of the property to AnchorStyle.Bottom.
  - Place the following code segment in the UserControl\_Load event: Me.Anchor = AnchorStyle.Bottom
  - Create a property to allow the developer to set the Anchor property of the control. Set the default value of the property to AnchorStyle.Bottom.
49. We develop a Windows-based application for tracking telephone calls. The application stores and retrieves data by using a Microsoft SQL Server database. We will use the SQL Client managed provider to connect and send commands to the database. We use integrated security to authenticate users. Our server is called CallCenter10 and the database name is CustomerService. We need to set the connection string property of the SQL Connection object. Which code segment is more suitable?
- "Data Source=CallCenter10; Initial Catalog=Master"
  - "Data Source=CallCenter10; Initial Catalog=CustomerService"
  - "Provider=SQLOLEDB.1;Data Source=CallCenter10; Initial Catalog=CustomerService"
  - "Provider=MSDASQL;Data Source=CallCenter10; Initial Catalog=CustomerService"
50. We develop a Windows-based application by using Visual Studio .NET. Our application receives XML data files from various external suppliers. An XML Schema file defines the format and the data types for the XML data files. Our application must parse the incoming XML data files to ensure that they conform to the schema. What should we do?
- Implement an XmlValidatingReader object and code an event handler to process its events.
  - Implement an XmlValidatingWriter object and code an event handler to process its events.
  - Implement a DataAdaptor object and set its Enforce Constraints property to True.
  - Implement a DataAdaptor object and set its Enforce Constraints property to false.
51. What is frx?
- It is extension of form in VB.NET.
  - It is extension of web services.
  - When some controls like grid placed in our application then it will create frx in run time.
  - When some from added some custom control then it will create frx in run time.
52. Which keyword is used to compare two objects and what is the return type of it?
- ISOperator – return type is Bit
  - ISOperator – return type is Boolean
  - CompareOperator – return type is Bit
  - CompareOperator – return type is Boolean
53. Choose the correct pair:
- Set a. Value is assigned to ActiveX Object from the form.
  - Let b. Value is retried to ActiveX Object from the form.
  - Get c. Assign the value of an expression to variable or property.
- 1-a, 2-b, 3-c
  - 1-b, 2-c, 3-a
  - 1-c, 2-a, 2-b
  - None of the above
54. Within a form we want to check that all text box control are typed or not. Which one of the following code is useful for this?
- For each currentcontrol in controls  
if typed currentcontrol is TextBox then  
endif  
next
  - For each currentcontrol in controls  
if typeof currentcontrol is TextBox then  
endif  
next
  - For each currentcontrol in controls  
if typeis currentcontrol is TextBox then  
endif  
next
  - It is not possible
55. How is .NET able to support multiple languages?
- Because of CLR
  - Because of CTS
  - Because of MSIL
  - All of the above
56. Number of MDI form in a VB.NET project may be \_\_\_\_\_.
- Only one
  - Only 64
  - Only 128
  - Only 256
57. What is out of process?
- It will run out of RAM normally in hard disk.
  - It will run out of memory normally in server side.
  - It will run out of scope.
  - None of the above
58. Which on of the following is used for changing the Mouse pointer?
- Screen.MousePointer = VBHourGlass/VBNormal
  - Display.MousePointer = VBHourGlass/VBNormal
  - Pointer.MousePointer = VBHourGlass/VBNormal
  - Show.MousePointer = VBHourGlass/VBNormal

59. What is the purpose of the Hit Count property for breakpoints?
1. It allows you to configure an expression that triggers the breakpoint.
  2. It allows you to configure the number of times a breakpoint must be reached before it executes.
  3. It allows the creation of a file breakpoint.
  4. It allows you to view detailed statistics regarding the number of times a breakpoint has been reached.
60. You would like to return to several articles that you have located in the Visual Studio .NET Help files. What is an easy way to configure this?
1. Save the files as text files and store them on your local hard drive.
  2. Use the Bookmark feature of the Visual Studio .NET IDE.
  3. Add the articles to your list of Favorites.
  4. Add the articles to the Recent Documents area.
61. What is the value of C1.I1 after the following code is executed?
- ```
Dim C1 as New MyClass
Dim C2 as MyClass = C1
C1.I1 = 2
C2.I1 += 1
```
1. 1
  2. 2
  3. 3
  4. Compilation error
62. Which of the following property of control is with respect to the position i.e. X,Y value
1. Anchor
  2. Docking
  3. Text Align
  4. All of the above
63. Given the following overloaded method
- ```
Public Sub New()
Public Sub New(ByVal FirstName as String, ByVal LastName as String)
```
- Which of the following additional overloaded methods is not valid?
1. Public Sub New(ByVal FirstName as String, ByVal LastName as String, BirthDate as Date)
  2. Public Sub New(ByVal LastName as String, ByVal FirstName as String, BirthDate as Date)
  3. Public Sub New(ByVal FirstName as String, ByVal LastName as String, BirthDate as Date)
  4. Public Sub New(ByVal LastName as String)
64. In the following code, what is the base class?
- ```
Public Class Customer Inherits Company
Public oContact as Contact
End Class
```
1. Company
  2. Customer
  3. Contact
  4. None of the above
65. How do you write the schema of a Dataset to XML
1. Dataset.WriteXML
  2. Dataset.AddxmlSchema
  3. Dataset.Writexmlschema
  4. None of the above
66. \_\_\_\_\_ performs the necessary conversions in data formats between managed and unmanaged code.
1. Marshaling
  2. CLR
  3. . Net framework
  4. CTS
67. What is the use of assert function?
1. Assert takes in a Boolean condition as a parameter, and shows the error dialog if the condition is true. The program proceeds without any interruption if the condition is false.
  2. Assert shows the error dialog if the condition is false. The program proceeds without any interruption if the condition is true.
  3. Assert shows the error dialog if the condition is true. The program proceeds without any interruption if the condition is false.
  4. Assert takes in a Boolean condition as a parameter, and shows the error dialog if the condition is false. The program proceeds without any interruption if the condition is true.
68. Which is the top most .NET class from everything is derived?
1. System.Class
  2. System.All
  3. System.Object
  4. It is not possible
69. What is the method of sorting the elements of the array in descending order?
1. By calling Desc() method
  2. By calling Sort() and then Reverse() methods
  3. By calling Sort() and then calling Desc() method
  4. By calling Reverse() method inside Sort() method
70. What is/are the different way of overloading a method?
1. Different parameter data types
  2. Different number of parameters
  3. Different order of parameters
  4. All of the above
71. What is the difference between the Debug class and Trace class?
1. Use Debug class for debug builds; use Trace class for release builds.
  2. Use Debug class for release builds; use Trace class for debug builds.
  3. Use Debug class for debug builds, use Trace class for both debug and release builds.
  4. Use Debug and Trace class for both debug and release builds.
72. What is a pre-requisite for connection pooling?
1. Multiple processes must agree that they will share the same connection
  2. Where every parameter is the same
  3. Security settings must be same
  4. All of the above
73. Why would you use un trusted verification?
1. Web Services might use it, as well as non-Windows applications.
  2. Web Services might use it, as well as Windows applications.
  3. Both Windows and non- Windows application.
  4. Only Web Services
74. Can you change the value of a variable while debugging a C# application?
1. No, it is not possible.
  2. Yes, if you are debugging via Visual Studio. NET, just go to immediate window.
  3. Yes, if you are debugging via Visual Studio. NET, just go to output window.
  4. Yes, if you are debugging via Visual Studio. NET, just go to debug window.

75. What namespaces are necessary to create a localized application?
1. System.Globalizaton
  2. System.Resources
  3. Both 1 and 2
  4. All of the above
76. In our application we are getting an IOException during execution. To solve this problem we create two additional subroutines named ShowError and Cleanup. These subroutines have to following rules:
- ShowError must be called only when application raises an exception.
  - Cleanup must be called whenever application is complete.
- So which of the following approach is right?
1. 

```
try {
    application();
    ShowError();
}
catch (Exception e) {
    Cleanup(e);
}
```
  2. 

```
try {
    application();
}
catch (Exception e) {
    ShowError(e);
    Cleanup();
}
```
  3. 

```
try {
    application();
}
catch (Exception e) {
    ShowError(e);
}
finally {
    Cleanup();
}
```
  4. 

```
try {
    application();
}
catch (Exception e) {
    Cleanup(e);
}
finally {
    ShowError();
}
```
77. An application reads from and writes to log files located on the local network. The original programmer included the following debugging code for maintenance:
- ```
try {
    Debug.WriteLine("Inside Try");
    throw(new IOException());
}
catch (IOException e) {
    Debug.WriteLine ("IOException Caught");
}
catch (Exception e) {
    Debug.WriteLine("Exception Caught");
}
finally {
    Debug.WriteLine ("Inside Finally");
    Debug.WriteLine ("After End Try");
}
```
- Which output is produced by this code?
1. Inside Try  
Exception Caught  
IOException Caught  
Inside Finally  
After End Try
  2. Inside Try  
Exception Caught  
Inside Finally  
After End Try
  3. Inside Try  
IOException Caught  
Inside Finally  
After End Try
  4. Inside Try  
IOException Caught  
Inside Finally
78. \_\_\_\_\_ is used for situations in which we want to pass methods around to other methods.
1. Indexers
  2. Delegates
  3. Events
  4. All of the above
79. Which of the following is alternative of destructor method?
1. IDisposable
  2. Finally
  3. Disposable
  4. IDispose
80. 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
81. What is SOAP?
1. It is a binary-based protocol for exchanging structured information between systems.
  2. It is an XML-based protocol for exchanging structured information between systems.
  3. It is a discovery service for Web services. It is a set of XML messages.
  4. Used to discover the URLs of XML Web services located on a Web server.
82. Which preprocessor directives are used to mark that contain block of code is to be treated as a single block?
1. # Define and #undefine
  2. #Line
  3. # Region and #EndRegion
  4. # Block and #EndBlock
83. Which of the following is true?
1. User controls are displayed correctly in the Visual Studio .NET Designer
  2. Custom controls are displayed correctly in VS.Net Designer
  3. User and Custom controls are displayed correctly in the Visual Studio .NET Designer.
  4. None of the above
84. How can I run a .EXE from a VB.NET application?
1. using System.Diagnostics namespace
  2. using System
  3. not possible
  4. None of the above
85. What is the difference between .DLL extension and .exe extension files?
- a. .EXE itself executable which is an application and .DLL is a library and we can reuse it.
  - b. .DLL is the In process component and .EXE is the Out of process component
1. a
  2. b
  3. None of the above
  4. Both a and b

86. How would you get tab character inside textbox.
1. Set AcceptTab and MultiLine Property to true
  2. Set TabIndex Property to 1
  3. Set TabStop Property to false
  4. Set AcceptTab Property to true
87. Can we have protected element as a namespace member?  
eg  
namespace mynamesp  
{  
    protected class myclass  
    {  
    }  
}
1. Yes, all access specifiers are valid for namespace members.
  2. No, only private access specifiers are possible
  3. No, implicitly all members are protected
  4. No, the namespace allows only public and internal elements as its members
88. A developer develops a Windows-based application application1 by using VS.NET. The application includes numerous method calls at startup. After optimizing application code, he test the application on variety of client computers. However, the startup time is too slow. You must ensure that this application starts as quickly as possible the first time it runs. What should he do?
1. Precompile your application by using the Native Image Generator(Ngen.exe): Install the precompiled application on the client computers.
  2. Install your application on the client computers. Precompile your application by using the Native Image Generator(Ngen.exe).
  3. Precompile your application by using the JIT compiler. Install the precompiled application on the client computers.
  4. Install your application on the client computers. Precompile your application by using the JIT compiler.
89. How can we describe "Encapsulation"?
1. The separation of interface and implementation.
  2. The conversion of one type of object to another.
  3. The runtime resolution of method calls.
  4. The exposition of data.
90. Which attribute must adorn a test class in order for it to be picked up by the NUnit GUI in NUnit test framework?
1. TestAttribute
  2. TestFixtureAttribute
  3. TestClassAttribute
  4. NUnitTestClassAttribute
91. Which of the following is true about DataSet?
1. A DataSet can represent an entire relational database in memory, complete with tables, relations, and views.
  2. There is no concept of cursor types in a DataSet.
  3. DataSet have no current record pointer you can use For Each loops to move through the data.
  4. All of the above
92. Where the DataSet is stored?
1. RAM
  2. Session
  3. Memory
  4. It depends on the Database
93. Which of following is/are the major differences between "DataSet" and "DataReader"?
1. DataSet is a disconnected architecture, while DataReader has live connection while reading data.
  2. When application needs to access data from more than one table DataSet forms the best choice.
  3. If we need to move back while reading records, DataReader does not support this functionality.
  4. All of the above
94. Stored Procedures are invoked using:
1. SqlConnection and ExecuteReader method
  2. SqlCommand object and ExecuteNonQuery
  3. SqlCommand object and ExecuteReader method
  4. SqlParameter object and Execute method
95. If we want to revert or abandon all changes since the dataset was loaded use \_\_\_\_\_.
1. GetChanges
  2. HasChanges
  3. RejectChanges
  4. All of the above
96. What is true about Dataset.Clone and Dataset.Copy?
1. Clone only copies structure, does not copy data but copy Copies both structure and data.
  2. Clone Copies both structure and data but copy only copies structure, does not copy data.
  3. Both are same
  4. We cannot differentiate like this.
97. Which one of the following return value in number of records affected?
1. ExecuteXmlReader()
  2. ExecuteNonQuery()
  3. ExecuteReader()
  4. ExecuteScaler()
98. Which one of the following method executes the command and returns a typed data object, depending on the provider in use.
1. ExecuteNonQuery()
  2. ExecuteXmlReader()
  3. ExecuteReader()
  4. All of the above
99. Which of the following is true about ADO and ADO.Net?
1. In ADO we had client and server side cursors they are no more present in ADO.Net.
  2. Locking is supported in both ADO and ADO.Net.
  3. In ADO data is persisted in Binary format and in ADO.Net data is persisted in ASCII format.
  4. All of the above is true
100. How can we add multiple tables in DataSet?
1. Command.CommandText = "Table1"  
Command.CommandText = "Table2"
  2. Command.CommandText = "&Table1,&Table2"  
DataAdapter.Fill(DataSet, "Table1")  
DataAdapter.Fill(DataSet, "Table2")
  3. Command.CommandText = "Table1"  
Command.CommandText = "Table2"  
DataAdapter.Fill(DatSet, "&Table1,&Table2")
  4. Command.CommandText = "Table1"  
DataAdapter.Fill(DataSet, "Table1")  
Command.CommandText = "Table2"  
DataAdapter.Fill(DataSet, "Table2")