1. **What namespace contains the classes to dynamically load and execute a DLL at runtime?**
2. **When passing parameters to functions what is the difference between BY VALUE and BY REFERENCE?**
3. **How do you dereference an object?**
4. **Explain the scope of the following access modifiers …**

**Private**

**Protected**

**Friend**

**Protected Friend**

**Public**

1. **What is a Delegate?**
2. **What is the difference between a Structure and a Class?**
3. **What is the GAC? What problem does it solve?**
4. **What is serialization in .NET? What are the ways to control serialization?**
5. **What’s the .NET collection class that allows an element to be accessed using a unique key?**

1. **What is the output of following code snippet?**

class Program

{

static void Main(string[] args)

{

ChildClass oCh = new ChildClass();

Console.Read();

}

}

public class BaseClass

{

public BaseClass()

{

Console.WriteLine("BaseClass Constructor");

}

}

public class ChildClass : BaseClass

{

public ChildClass()

{

Console.WriteLine("ChildClass Constructor");

}

}

1. **What are the types of validation controls available in asp.net?**
2. **What is an abstract class?**
3. **What are some of the ways for a web application to maintain session state?**

1. **What is ViewState?**
2. **What is the difference between Web User Control and Web Custom Control?**
3. **What is the life cycle of an ASP web page?**

1. **What is the preferred transport protocol you use to call a Web service?**

1. **What is the use of @ Register directives?**

1. **What does AutoPostBack do and how do you turn it on.**
2. **What is an Update Panel used for?**
3. **What role does the ScriptManager play?**
4. **How would you change the color of a GridView cell based on a database value that is being displayed in the cell?**
5. **What is Normalization?**
6. **What does an SQL OUTER JOIN do?**
7. **What is Cursor?**
8. **What is sub-query? Explain properties of sub-query?**
9. **What are the difference between clustered and a non-clustered index**
10. **What is difference between DELETE & TRUNCATE commands?**
11. **What is the difference between UNION and UNION ALL?**
12. **What are the difference between a function and a stored procedure?**
13. **What does NULL mean?**
14. **What is the difference between OLEDB Provider and SqlClient ?**
15. **What is the difference between an ADO Data Adapter and a Data Reader?**
16. **What are the various objects in a Dataset?**
17. **What’s difference between “Optimistic” and “Pessimistic” locking ?**
18. **What is the difference between WCF and Web Services?**