**Introduction of C#.Net**

**Ques:5. Difference between Namespace and assemblies ?**

**Answer:**

**Namespace:** Namespace is a collection of classes which help us to group the classes. Namespaces help us to avoid name conflicts. Namespace is import in the class with the help of using keywords in the project and it is created by Namespace namespace\_name.

For example: using Student;

Namespace List{

{

Class Person{

}

}

}

**Assemblies:** Assembly defines the structure of the project. Assembly is a self describing unit which consists of the two files Microsoft intermediate language(MSIL) and Metadata (which means data about data). Assemblies are three types: private assembly, shared assembly and satellite assembly.

Private assembly is the assembly which needs to be copied in the program for use. Shared assemblies are those assemblies which are available globally which needs to be defined in the GAC location GAC stands for the Global Access Cache memory. This shared assembly is available for all.

Satellite Assembly are those assembly which is available globally. It is mainly used for the deployment purpose.for example: dll and exe.

**Ques:9.What is the value data type and reference data type in c# ?**

**Answer:**

**Value Type:**

* It is stored in the stack.
* It is called by value.
* In this we pass the copy of the value in the one method to another method.
* If the value gets changed it will not affect the values.

**Reference Type:**

* It is stored in the Heap memory.
* It is called by reference.
* In this we pass the address of the value.
* If the value is changed it will affect the original value.