**Theory question of Intro to c# assignment**

**QUES 5: Difference between Namespace and assemblies ?**

**ANS: Namespace:** Namespace is a collection of classes where each class name is unique. It can include multiple assemblies. It is mentioned in the project properties.

**Assemblies:** Assemblies is the MSIL (microsoft intermediate language). Assembly contains the namespaces. It is the physical collection of class files.

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

**ANS: Value data type** stores the data value in the memory i.e stack.Value types can be created at compile time and Stored in stack memory, because of this, Garbage collector can't access the stack.

**Reference Types** are used by a reference which holds a reference i.e address to the object but not the object itself. Reference types represent the address of the variable rather than the data itself.Reference Type variables are stored in a different area of memory called the heap.