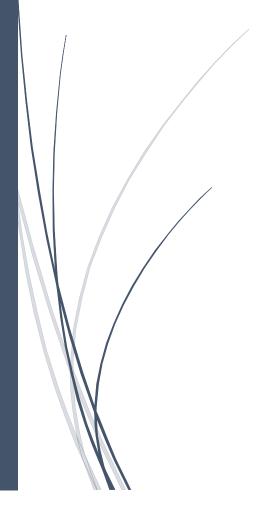
Assignment 17

C# Programing



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NATIONS BENIFITS

Q. Research and write what is assembly in c#

Assembly is a container of namespace, which is build up with .net Framework app. It is a basic compiled code that can be executed by CLR.
 Assembly can be (.exe) or (.dll) depending on the project that we code.
 Assemblies are used when we required.

Q. In a tabular format write the access modifier and explain					
<u>Table</u>					
	Same Assembly			Another Assembly	
	Base	Derived	Outer	Derived	outer
Public	\checkmark				
Private	✓				
Protected	\checkmark				
Internal	\checkmark				
protected internal	✓				х
CODE					
Assembly-1:					
namespace ASsemble1					
<pre>public class Parent {</pre>	t_c				
<pre>public int a; private int b; protected int c internal int d protected inter /// <summary> /// Base Class /// </summary> public void Base { a = 10; b = 20; c = 30; d = 40; e = 50; } /// <summary></summary></pre>	rnal int				
<pre>/// Derived Class /// public class Child_ {</pre>	_c : Par	rent_c			
/// <summary> /// Derived Cla /// </summary> public void Der {					
a = 10; //b = 20; F c = 30; d = 40; e = 50; }	Private	variable are	limited to s	same derived	class

```
}
    /// <summary>
    /// Main Class
    /// </summary>
    public class MainClass
        /// <summary>
        /// Base Class Object Created
        /// </summary>
        Child_c bc = new Child_c();
        /// <summary>
        /// Main Class Method
        /// </summary>
        public void MainClassMethod()
            bc.a = 10;
            //bc.b = 20; Private variable are limited to same main class
            //bc.c = 30; Protected variable are limited to same main class
            bc.d = 40;
            bc.e = 50;
        }
    }
}
Assembly-2:
namespace Another_Lib
    public class AnotherAssCl : Parent_c
        public void AnotherClMet()
            a = 10;
            //b = 20; Private variable are limited to other derived class
            //d = 40; Internal variable are limited to other derived class
            e = 50;
        }
    }
    public class OtherMain
        Parent_c bc = new Parent_c();
        public void OtherMainClassMethod()
            bc.a = 10;
            //bc.b = 20; Private variable are limited to other main class
            //bc.c = 30; Protected variable are limited to other main class
            //bc.d = 40; Internal variable are limited to other main class
            //bc.e = 50; Protected Internal variable are limited to other main
class
        }
    }
}
```