DAY 17 ASSIGNMEN
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Q1. **Research and write what is assembly in C#**

Assembly is Unit of Deployment like EXE OR DLL. Assembly is unit of deployment like EXE or DLL. It is completely self-described and is a resuable. versionable self-describing deployment unit for types and resources it is the primary building block of a .NET application.

2. **In a tabular format write the access modifiers and explain**

(as I did in the class, create two assemblies with 3 classes in first assembly, 2 classes in other assembly)

ManoharLibrary:

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace ManoharLibrary
{
  //BASECLASS
  public class ManoharBase
  {
    public int a;
    private int b;
    protected int c;
    internal int d;
    protected internal int e;



    public void ReadData()
    {
      a = 1;
      b = 2;
      c = 3;
      d = 4;
      e = 5;
    }
  }
```

```
    //DERIVEDCLASS
    public class ManoharDerived: ManoharBase
    {

        public void ReadDerivedDaa()
        {
            a = 1;
            b = 2;
            c = 3;
            d = 4;
            e = 5;
        }
    }
    //OTHERCLASS
    public class ManoharOther
    {

       //Otherclass

        public void ReadOtherData()
        {
            ManoharBase m = new ManoharBase();
                m.a = 1;
                m.b = 2;
                m.c = 3;
                m.d = 4;
                m.e = 5;
        }


    }



}
```

PublicLibrary:

```
using System.Text;
using System.Threading.Tasks;
using ManoharLibrary;

namespace PublicLibrary
{

    //derivedclass
    public class Publicbase:ManoharBase
    {

            public void PublicData()
        {
            a = 1;
            b = 2;
```

```
            c = 3;
            d = 4;
            e = 5;
        }
    }
    //otherclass
    public class PublicOther
    {
        public void ReadOher()
        {
            ManoharBase m = new ManoharBase();
            m.a = 1;
            m.b = 2;
            m.c = 3;
            m.d = 4;
            m.e = 5;
        }
    }
}
```

WithinAssembly			otherassembly		
	Base	**Derived**	**Other**	**Derived**	**Other**
Public	yes	yes	yes	yes	yes
Private	yes	No	No	No	No
Protected	yes	yes	No	Yes	No
Internal	yes	yes	yes	No	No
Protected Internal	yes	yes	yes	yes	No