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| **DAY 16 ASSIGNMENT**  **By**  **ARUN KUMAR YADLAPALLI**  **@**  **NB Healthcare Technologies PVT LTD.** |

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| **Q1) Research and write what is assembly in C#** |
| **A)** Assembly is a unit of deployment like exe or dll.  It’s completely self describing and is reusable , versionable and self describing deployment unit for types and resources.  It is a primary block of a .Net application. |

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| **Q2) In a tabular format write the access modifiers and explain** |
| **Code:**  namespace ClassLibrary1  {  public class Base  {  public int a;  private int b;  protected int c;  internal int d;  protected internal int e;    public void Read()  {  a = 1;  b = 2;  c = 3;  d = 4;  e = 5;  }    }    class Derived : Base  {  public void ReadData()  {  a = 1;  b = 2;  c = 3;  d = 4;  e = 5;  }  }    class Otherclass  {  public void Reed()  {  Base b = new Base();  b.a = 1;  b.b = 2;  b.c = 3;  b.d = 4;  b.e = 5;  }  }  }  namespace ClassLibrary2  {  class AnotherDerived : Base  {  public void ReadData3()  {  a = 1;  b = 2;  c = 3;  d= 4;  e = 5;    }  }  class Anotherclass3  {  public void Readdata5()  {  AnotherDerived a = new AnotherDerived();  a.a = 1;  a.b = 2;  a.c = 3;  a.d = 4;  a.e = 5;  }      }  } |
| **Outcomes:**   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | **Access Modifiers** | | | | | | | |  | **Within Assembly** | | | **Other Assembly** | | | |  | **within class** | **derived class** | **other class** | **derived class** | **other class** |  | | **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** |  | |