CSA0982-Java Programming Assignment-5	R. Nagarjuna Reddy 192011290

Access Modifiers in Java:-

*There are two types of modifiers
*Access Modifiers
*Non Access Modifiers
*The access modifiers in java specifies accessibility or scope of a field method, constructor or class.
*There are four types of java access modifiers;

1. Private:-

*The access level of a private modifier is only within class
*It cannot be accessed from outside of the class

Example:-

```
class A{
private int data=40;
private void msg(){
System.out.println("Hello.java");}
}
```

```
public class Simple{
public static void main(String args[]){
A obj = new A();
System.out.println(obj.data)
obj.msg();
  }
}
```

2. Default :-

* The access level of a default modifier is only within package
* It cannot be accessed from outside the package.

Example:-

```
package pack;
class A{
void msg(){System.out.println("Hello");}
}
package my pack;
import pack.*;
class B{
public static void main(String args[]){
A obj=new A();
obj.msg();
```

```
    }
}
```

③ protected:-

*The access level of a protected modifier is within the package and outside package through child class

Example:-

```
package pack;
public class A{
protected void msg(){System.out.println("Hello");}
}
```

```
package My pack;
import pack.*;
class B extends A{
public static void main(String args[]){
B obj=new B();
obj.msg();
}
}
```

4. public:-

*The access level of a public modifier is everywhere

*It can be accessed from within class, outside class within package and outsid package

Program:-

```
package pack;
public class A{
public static msg(){System.out.println
("Hello");}
Package my pack;
import pack.*;
class B{
 Public static void main(String args[])
 {
 A obj=new A();
 obj.msg();
 }
}
```