```java
//Methods
package com.dl.one.modifiers.methods;

public class Eg1 {

public void m1() {
System.out.println("M1 Public Method");
}

protected void m2() {
System.out.println("M2 Protected Method");
}

void m3() {
System.out.println("M3 Default Method");
}

private void m4() {
System.out.println("M4 Private Method");
}

public static void main(String[] args) {

Eg1 eg1 = new Eg1();
eg1.m1(); // public method from same class accessible
eg1.m2(); // protected method from same class accessible
eg1.m3();// default method from same class accessible
eg1.m4(); // private method from same class accessible
}
}
```

```java
package com.dl.one.modifiers.methods;

public class Eg2 extends Eg1 {
public static void main(String[] args) {

Eg2 eg2 = new Eg2();
eg2.m1(); // default method from another class / same package accessible
eg2.m2(); // public method from another class / same package accessible
eg2.m3(); // default method from another class / same package accessible
//eg2.m4(); // private method from another class not accessible
}
}
```

```java
package com.dl.two.modifiers.methods;

import com.dl.one.modifiers.methods.Eg1;

//Note:
//we cannot call any method directly from one package to another package
//we need to import the package to access another package methods
public class Eg3 extends Eg1 {
public static void main(String[] args) {

Eg3 eg3 = new Eg3();
eg3.m1(); // public method from import package available
eg3.m2(); // protected method from import package available
// eg3.m3(); // default method from import package not available
// eg3.m4(); // private method from import package not available
}
}
```

public and protected modifiers
for protected we use inheritance

```
//Methods
package com.dl.test;

public class Addition {

protected  int addTwoNumbers(int a, int b) {
return a + b;
}

public  int addThreeNumbers(int a, int b, int c) {
return a + b + c;
}

}
```

```
package com.dl.test.one;

import com.dl.test.Addition;

public class TestOne extends Addition {

public static void main(String args[]) {
TestOne obj = new TestOne();
System.out.println(obj.addTwoNumbers(10, 20)); // 30
System.out.println(obj.addThreeNumbers(10, 10, 10)); // 30
}
}

}
```

public modifier

```
//Methods
package com.dl.test;

public class Addition {

public  int addThreeNumbers(int a, int b, int c) {
return a + b + c;
}

}
```

```
package com.dl.test.two;

import com.dl.test.Addition;

public class TestTwo {
public static void main(String[] args) {

Addition a = new Addition();
System.out.println(a.addThreeNumbers(10, 20, 30)); // 60
}

}
```