Access Modifiers:

Modifiers Class SamePackage diffpackage World

Public Y Y Y Y

Protected Y Y Y n

No modifier Y Y n n

Private Y n n n

In a same class eg.

**package** com.te.demo.common;

**public** **class** Methods {

**public** **void** m1() {

System.***out***.println("M1 is public");

}

**protected** **void** m2() {

System.***out***.println("M2 is protected");

}

**void** m3() {

System.***out***.println("M3 is default");

}

**private** **void** m4() {

System.***out***.println("M4 is private");

}

**public** **static** **void** main(String[] args) {

Methods methods = **new** Methods();

methods.m1();

methods.m2();

methods.m3();

methods.m4();

}

}

In a diff class example:

**package** com.te.demo.common;

**public** **class** Test {

**public** **static** **void** main(String[] args) {

Methods methods = **new** Methods();

methods.m1();

methods.m2();

methods.m3();

// methods.m4();

}

}

In a diff package eg.

**package** com.te.demo1.common;

**import** com.te.demo.common.Methods;

**public** **class** Test **extends** Methods {

**public** **static** **void** main(String[] args) {

Methods methods = **new** Methods();

methods.m1();

//for protected it has to use inheritence and the object should be of the subclass

Test test = **new** Test();

test.m2();

// methods.m2();

// methods.m3();

// methods.m4();

}

}