**Program 4: Access modifiers using packages**

Create a class accessmember as a super class. Then create another class subclass as a base class in a same package. Create a diffpkgsubcls as a base class in another different package. Create a diffsubcls as a super class of another different packages.

**package** classdemo;

**public** **class** accessmember {

**int** n1=1;

**private** **int** n2=2;

**protected** **int** n3=3;

**public** **int** n4=4;

**public** accessmember() {

System.***out***.println("Super class");

System.***out***.println(n1 +" " + n2 +" " + n3 + " " +n4);

}

}

**package** classdemo;

**public** **class** subclass **extends** accessmember {

subclass() {

System.***out***.println("same package subclass");

System.***out***.println(n1);

//System.out.println(n2);

System.***out***.println(n3);

System.***out***.println(n4);

}

}

**package** classdemo;

**public** **class** subclass1 {

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

accessmember ob=**new** accessmember();

System.***out***.println("Same package non subclass");

System.***out***.println(ob.n1);

//System.out.println(ob.n2);

System.***out***.println(ob.n3);

System.***out***.println(ob.n4);

}

}

**package** pkg1st.code;

**public** **class** diffpkgsubcls **extends** classdemo.accessmember {

**public** diffpkgsubcls() {

System.***out***.println("Different package subclass");

//System.out.println(n1);

//System.out.println(n2);

System.***out***.println(n3);

System.***out***.println(n4);

}

}

**package** pkg1st.code;

**public** **class** diffsubcls {

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

classdemo.accessmember ob=**new** classdemo.accessmember();

System.***out***.println("Different package non subclass");

//System.out.println(n1);

//System.out.println(n2);

//System.out.println(ob.n3);

System.***out***.println(ob.n4);

diffpkgsubcls ob1=**new** diffpkgsubcls();

System.***out***.println("same package subclass");

//System.out.println(ob1.n1);

//System.out.println(ob1.n2);

//System.out.println(ob1.n3);

System.***out***.println(ob1.n4);

}

}

**Output:-**



