Write a program in Java to verify the working of access modifiers

Program:

//1. Class is having Default access modifier

**class** defAccessSpecifier

{

**void** display()

{

System.***out***.println("this is default access specifier");

}

}

**public** **class** accessSpecifiers1 {

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

//default

System.***out***.println("Default Access Specifier");

defAccessSpecifier obj = **new** defAccessSpecifier();

obj.display();

}

}

Output: This is Default Access Specifiers

Default Access Specifiers

//2. using private access specifiers

**class** privateaccessspecifier

{

**private** **void** display()

{

System.***out***.println("this is private access specifier");

}

}

**public** **class** accessSpecifiers2 {

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

//private

System.***out***.println("Private Access Specifier");

priaccessspecifier obj = **new** priaccessspecifier();

//trying to access private method of another class

//obj.display();

}

}

//3. using protected access specifiers

**package** pack1;

**public** **class** proaccessspecifiers {

**protected** **void** display()

{

System.***out***.println("This is protected access specifier");

}

}

//create another package

**package** pack2;

**import** pack1.\*;

**public** **class** accessSpecifiers3 **extends** proaccessspecifiers {

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

accessSpecifiers3 obj = **new** accessSpecifiers3 ();

obj.display();

}

}

Output: This is Protected Access Specifiers

//4. using public access specifiers

**package** pack1;

**public** **class** pubaccessspecifiers {

**public** **void** display()

{

System.***out***.println("This is Public Access Specifiers");

}

}

//create another package

**package** pack2;

**import** pack1.\*;

**public** **class** accessSpecifiers4 {

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

pubaccessspecifiers obj = **new** pubaccessspecifiers();

obj.display();

}

}

OUTPUT:

This is Public Access Specifiers