**Practice Project - Assisted**

1. Write a program to demonstrate how and when access modifiers are used.

Access Modifiers:

* Default
* Public
* Private
* Protected

**Code:**

//1. Default access modifier

**class** defAccessSpecifier

{

**void** display()

{

System.***out***.println("You are using default access specifier");

}

}

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

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

//default

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

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

obj.display();

}

}

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//2. Public access specifier

**package** pack1;

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

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

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

}

}

//create another package

**package** pack2;

**import** pack1.\*;

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

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

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

obj.display();

}

}

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//3. using private access specifier

**class** priaccessspecifier

{

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

{

System.***out***.println("You are using private access specifier");

}

}

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

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

//private

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

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

obj.display();

}

}

------------------------------------------------------------------------------------------------

//4. 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();

}

}