**Assisted Practice: 1.2 Access Modifiers**

This section will guide you to:

* Create a Java project in your IDE
* Write a program in Java to verify the working of access modifiers

This lab has three subsections, namely:

* + 1. Writing a program in Java to implement access modifiers
    2. Executing the program and verifying how the access modifiers work
    3. Pushing the code to your GitHub repositories

**Step 1.2.1:** Writing a program in Java to implement access modifiers

//**1. using private access specifiers**

**class** priaccessspecifier

{

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

{

System.***out***.println("It 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();

}

}

**Output:** It is private access specifier

**//2. Class is having Default access modifier**

**class** defAccessSpecifier

{

**void** display()

{

System.***out***.println("It is 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();

}

}

**Output:** It is default access specifier

**//3. using protected access specifiers**

package pack1;

public class proaccessspecifiers {

protected void display()

{

System.*out*.println("It 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:** It is protected access specifier.