**Assisted Practice: 2.5 Inner Classes**

This section will guide you to:

* Create a Java project in your IDE
* Write a Java program to create inner classes

This lab has three subsections, namely:

* + 1. Writing a program in Java to verify the implementation of inner classes
    2. Executing the program and verifying working of inner classes
    3. Pushing the code to your GitHub repositories

**Step 2.5.1: Writing a program in Java to verify the implementation of inner classes**

public class innerClassAssisted1 {

private String msg="I am Lingala Lakshmi";

class Inner{

void hello(){System.*out*.println(msg+", I started learning Inner Classes");}

}

public static void main(String[] args) {

innerClassAssisted1 obj=new innerClassAssisted1();

innerClassAssisted1.Inner in=obj.new Inner();

in.hello();

}

}

public class innerClassAssisted2 {

private String msg="Inner Classes";

void display(){

class Inner{

void msg(){

System.*out*.println(msg);

}

}

Inner l=new Inner();

l.msg();

}

public static void main(String[] args) {

innerClassAssisted2 ob=new innerClassAssisted2 ();

ob.display();

}

}

//anonymous inner class

abstract class AnonymousInnerClass {

public abstract void display();

}

public class innerClassAssisted3 {

public static void main(String[] args) {

AnonymousInnerClass i = new AnonymousInnerClass() {

public void display() {

System.*out*.println("Anonymous Inner Class");

}

};

i.display();

}

}

**Output**:

I am Lingala Lakshmi , I Started learning Inner classes

Inner classes

Anonymous Inner Class