**Experiment No. 8 (a)**

**Aim**

Demonstrate the Concept of Multilevel Inheritance in Java.

**Source code**

package java\_file;

class Calculation {

void add(float x, float y) {

System.out.println("\nThe Addition of "+x+" and "+y+" is "+(x+y));

}

void sub(float x, float y) {

System.out.println("\nThe Subtraction of "+x+" and "+y+" is "+(x-y));

}

}

class NewCalculation1 extends Calculation{

void mul(float x, float y) {

System.out.println("\nThe Multiplication of "+x+" and "+y+" is "+(x\*y));

}

void div(float x, float y) {

System.out.println("\nThe Division of "+x+" and "+y+" is "+(x/y));

}

}

class NewCalculation2 extends NewCalculation1{

void mod(float x, float y) {

System.out.println("\nThe Moduls of "+x+" and "+y+" is "+(x+y));

}

}

public class \_8a\_Multilevel\_Inheritance {

public static void main(String[] args) {

NewCalculation2 obj=new NewCalculation2();

obj.add(12, 8);

obj.sub(45, 13);

obj.mul(13, 67);

obj.div(77, 7);

obj.mod(69, 9);

}

}

**Output**

