Bangladesh University Of Business And Technology

Lab Report

Course Title : Advanced Programming Lab

Course Code : CSE - 332

Experiment No : 01

Experiment Name : Implementation of encapsulation and method overloading

Submitted To:

Jubayer Al Mahmud

Assistant Professor,

Department Of Computer Science And Engineering,

BUBT

Submitted By :

Name : Md Masud Rana

Intake : 48

Section : 02

Id : 21224103162

Department Of CSE

Submission Date: 31/07/2023

```
import java.util.Scanner;
import java.lang.Math;
class cal{
    private int a;
    private double b;
    public void setData(int a){
        this.a=a;
    }
    public void setData(double b){
        this.b=b;
    }
    public int getInt(){
        return a;
    }
    public double getDouble(){
        return b;
    }
    public int squa(){
        return getInt()*getInt();
    }
    public double squb(){
        return getDouble()*getDouble();
    }
}
class squ{
    public double getSqu(int n1,double n2){
      return n1+n2; }}
```

```
class show{
    public double sh(double res){
        return res;
    }
}
public class test{
    public static void main(String[] args){
        System.out.println("Enter numbers ");
        cal myCal=new cal();
        squ mySqu=new squ();
        show myShow=new show();
        Scanner input1=new Scanner(System.in);
        Scanner input2=new Scanner(System.in);
        int inputInt=input1.nextInt();
        double inputDouble=input2.nextDouble();
        myCal.setData(inputInt);
        myCal.setData(inputDouble);
        mySqu.getSqu(myCal.squa(),myCal.squb());
       System.out.println("Result is : "+ myShow.sh(mySqu.getSqu(myCal.squa(),
myCal.squb())));   }}
```

Output