**Name: Ronika Paul**

**Roll No:30**

**Batch: MCA-B**

**Date:18/05/2022**

**OBJECT ORIENTED PROGRAMMING LAB**

**Experiment No: 8**

**Aim**

Area of different shapes using overloaded functions.

**Procedure**

import java.util.Scanner;

class areaShapes{

void area(int a){

System.out.println("area of square is "+a\*a);

}

void area(int a, int b){

System.out.println("area of rectangle "+a\*b);

}

void area(int length, int breadth, int height){

System.out.println("Area of Cuboid "+(2\*(length\*breadth)+2\*(length\*height)+2\*(height\*breadth)));

}

}

public class Shapes {

public static void main(String[] args) {

int a,b,c;

Scanner s= new Scanner(System.in);

areaShapes obj=new areaShapes();

System.out.println("enter the side of square");

a= s.nextInt();

obj.area(a);

System.out.println("enter the length and breadth");

a=s.nextInt();

b=s.nextInt();

obj.area(a,b);

System.out.println("enter the length, breadth and height of a cuboid");

a=s.nextInt();

b=s.nextInt();

c=s.nextInt();

obj.area(a,b,c);

}

}

**Output Screenshot**

