OBJECT ORIENTED PROGRAMMING LAB

**Name: RITTYMARIYA K R**

**Roll No: 28 Batch: MCA B Date: 24/05/2022**

# Experiment No.: 10

**Aim**

Area of different shapes using overloaded functions.

# Procedure

import java.util.Scanner;

public class shapes {

void area(int r1){

double Area\_val = 3.14\*r1\*r1;

System.out.println("\nArea of Circle is Radius "+r1+" = "+Area\_val);

}

void area(int a1,int b1){

int Area\_val = a1\*b1;

System.out.println("\nArea of Rectangle is with dimensions "+a1+" X "+b1+" = "+Area\_val);

}

void area(int a1,int b1,int c1){

int Area\_val = a1\*b1\*c1;

System.out.println("\nArea of Cuboid is with dimensions "+a1+" X "+b1+" X "+c1+" = "+Area\_val);

}

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

System.out.println("\nEnter the Length");

int l = sc.nextInt();

System.out.println("Enter the Breath");

int b = sc.nextInt();

System.out.println("Enter the Height");

int h = sc.nextInt();

System.out.println("Enter the Radius");

int r = sc.nextInt();

shapes obj1 = new shapes();

obj1.area(r);

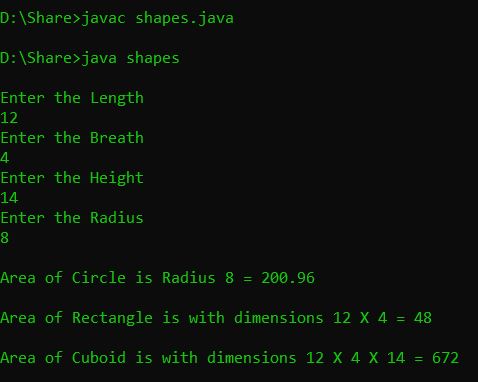
obj1.area(l,b);

obj1.area(l,b,h);

}

}

**OUTPUT**

****