

OBJECT ORIENTED PROGRAMMING LAB

Experiment No.: 10

Aim

Area of different shapes using overloaded functions

Procedure

```
import java.util.Scanner;
```

Name: Silvia Thomas

Roll No:38

Batch:RMCA B

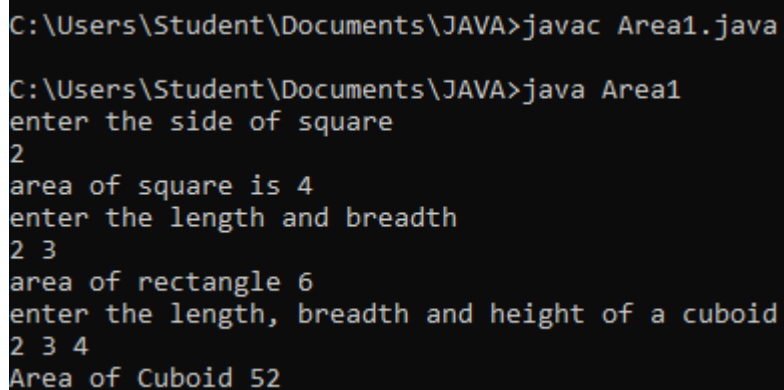
Date:17/05/2022

```
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 Area1 {
    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



```
C:\Users\Student\Documents\JAVA>javac Area1.java
C:\Users\Student\Documents\JAVA>java Area1
enter the side of square
2
area of square is 4
enter the length and breadth
2 3
area of rectangle 6
enter the length, breadth and height of a cuboid
2 3 4
Area of Cuboid 52
```

