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**Roll No:09**

**Batch:S2 MCA**

**Date:17/05/2022**

**OBJECT ORIENTED PROGRAMMING LAB**

**Experiment No.: 10**

**Aim**

**Area of different shapes using overloaded functions**

**Procedure**

public class AreaShapes

{

public static void main(String[] args)

{

Rectangle obj = new Rectangle();

obj.Area(30, 20);

Circle obj1 = new Circle();

obj1.Area(2);

Square obj2 = new Square();

obj2.Area(5);

}

}

class Square

{

void Area(float side)

{

System.out.println("Area of the Square: "+ side \* side);

}

}

class Circle

{

void Area(float r)

{

double area = Math.PI \*( r \* r);

System.out.println("The area of the circle is :" + area);

}

}

class Rectangle

{

void Area(int l, int b)

{

System.out.println("Area of the rectangle: " + l \* b);

}

}

**Output Screenshot**

