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**Batch:S2 MCA**

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**OBJECT ORIENTED PROGRAMMING LAB**

**Experiment No.: 15**

**Aim**

Area of different shapes using overloaded functions.

**Procedure**

import java.util.\*;

class OverloadDemo

{

void area(float x)

{

System.out.println("the area of the square is "+(x\*x)+" sq units");

}

void area(float x, float y)

{

System.out.println("the area of the rectangle is "+x\*y+" sq units");

}

void area(double x)

{

double z = 3.14 \* x \* x;

System.out.println("the area of the circle is "+z+" sq units");

}

}

class Overload

{

public static void main(String args[])

{

int square;

int rect1,rect2;

double circ;

OverloadDemo ob = new OverloadDemo();

Scanner sc = new Scanner(System.in);

System.out.println("enter the length of a square:");

square=sc.nextInt();

System.out.println("enter the length and breadth of a rectangle:");

rect1=sc.nextInt();

rect2=sc.nextInt();

System.out.println("enter the radius of a circle:");

circ=sc.nextInt();

ob.area(square);

ob.area(rect1,rect2);

ob.area(circ);

}

}

**Output Screenshot**

