

**Object oriented programming lab**

**Experiment No.: 1**

**Aim**

**Area of different shapes using overloaded functions.**

**Source code:**

**c**lass OverloadDemo

{

void area(float x)

{

System.out.println("the area of the square is "+Math.pow(x, 2)+" 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[])

{

OverloadDemo obj = new OverloadDemo();

ob.area(8);

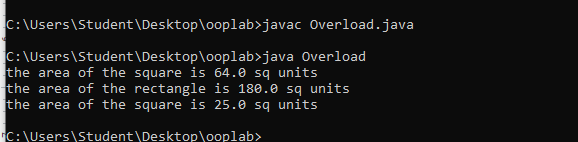
ob.area(12,15);

ob.area(5);

}

}

**output**

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