**Name: Mahima Manoj**

**Roll No: 15**

**Batch: S2 MCA**

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**OBJECT ORIENTED PROGRAMMING LAB**

**Experiment No.: 15**

**Aim**

**Create CPU with attributes price. Create inner class Processor (no. of cores, manufacturer) and static nested class RAM (memory, manufacturer). Create an object of CPU and print information of processor and RAM.**

**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");

}

}

public 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);

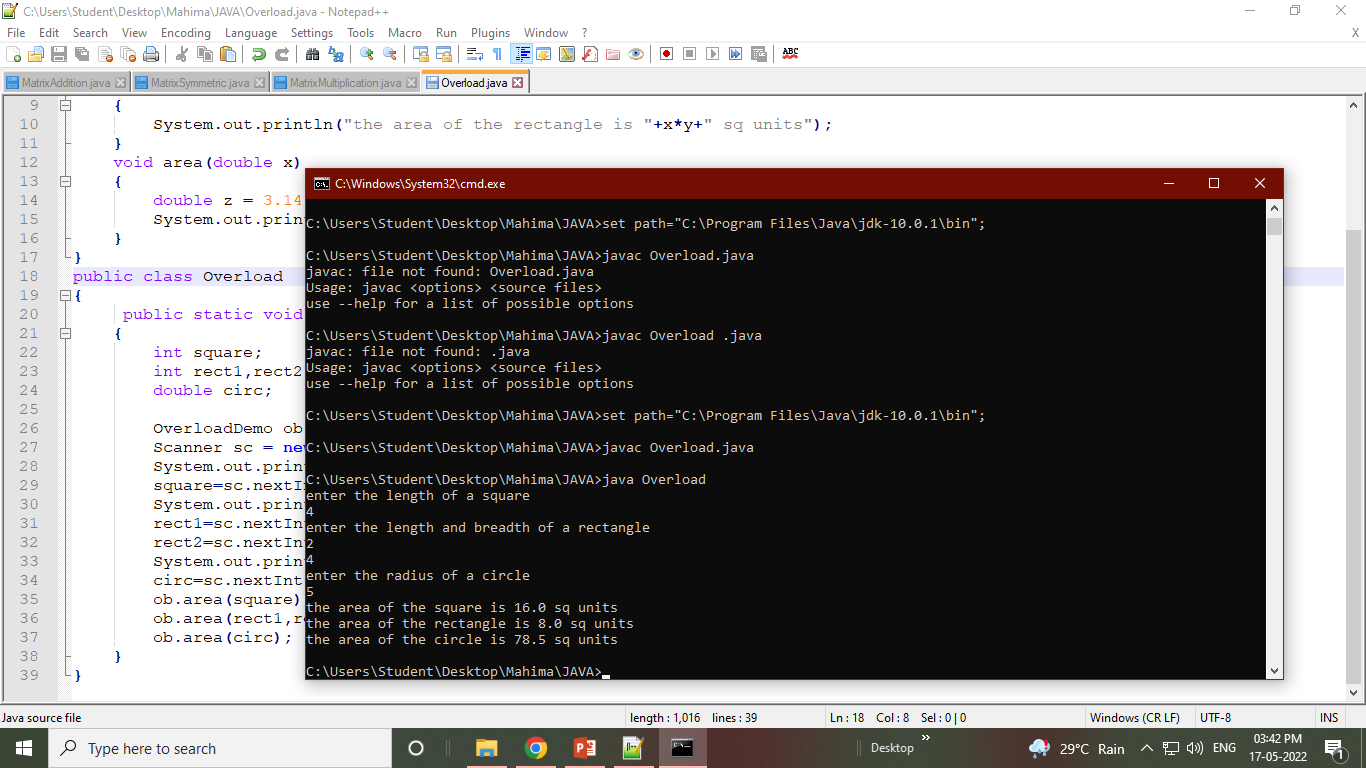
ob.area(rect1,rect2);

ob.area(circ);

}

}

**Output Screenshot**

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