**Program 1**

10/05/2021

**Aim:** Area of different shapes using overloaded functions

**Source Code:**

**package** packoops;

**import** java.util.Scanner;

**public** **class** areaover {

**public** **void** area(**int** l,**int** b) {

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

}

**public** **void** area(**float** r)

{

System.***out***.println("Area of circle is:"+3.14\*r\*r);

}

**public** **static** **void** main(String[] args) {

**int** l,b;

**float** r;

Scanner obk=**new** Scanner(System.***in***);

areaover obj=**new** areaover();

System.***out***.println("Enter the length and breadth of reactangle:");

l=obk.nextInt();

b=obk.nextInt();

System.***out***.println("Enter the radius of the circle:");

r=obk.nextInt();

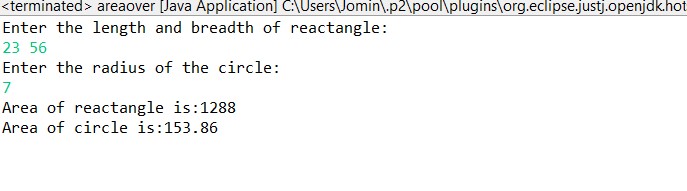
obj.area(l,b);

obj.area(r);

}

}

**Output:**

****

**Program 2**

06/05/2021

**Aim:** Create a class ‘Employee’ with data members Empid,

Name, Salary, Address and constructors to initialize the

data members. Create another class ‘Teacher’ that

inherit the properties of class employee and contain its

own data members department, Subjects taught and

constructors to initialize these data members and also

include display function to display all the data

members. Use array of objects to display details of N

teachers.

**Source Code:**