**EXPERIMENT NO.8**

**Aim: Write a Program to find Area Of circle using Method Overloading.**

import java.util.\*;

class AreaOfMethodOverload

{

double r;

void areaCircle()

{

r=5;

}

void areaCircle(double radious)

{

r=radious;

}

void areaCircle(int radious)

{

r=radious;

}

void display()

{

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

}

}

class FindAreaOverload

{

public static void main(String []args)

{

double r1;

int r2;

Scanner sc = new Scanner(System.in);

AreaOfMethodOverload a = new AreaOfMethodOverload();

a.areaCircle();

System.out.println("Enter radious 1");

r1=sc.nextDouble();

AreaOfMethodOverload b = new AreaOfMethodOverload();

b.areaCircle(r1);

System.out.println("Enter radious 2");

r2=sc.nextInt();

AreaOfMethodOverload c = new AreaOfMethodOverload();

c.areaCircle(r2);

System.out.println("Area of circle----radius=5");

a.display();

System.out.println("Area Of circle--radius="+r1);

System.out.println("Area of circle="+r2);

c.display();

}

}

