

```
1 /*AIM:Write a program to find Area of Circle using method overloading
6 package pkg3;
7 import java.util.*;
8 class AreaOfMethodOverload {
9     double r;
10    void areaCircle() {r=5;}
11    void areaCircle(double radius) {r=radius;}
12    void areaCircle(int radius) {r=radius;}
13    void display() {System.out.println("Area of circle:"+(3.14*r*r));}
14 }
15 public class area_circle_method_overloading {
16     public static void main(String[] args) {
17         System.out.println("~A PROJECT BY KASHISH GUPTA");
18         double r1;
19         int r2;
20         Scanner sc=new Scanner(System.in);
21         AreaOfMethodOverload a= new AreaOfMethodOverload();
22         a.areaCircle();
23         System.out.println("Enter radius 1:");
24         r1=sc.nextDouble();
25         AreaOfMethodOverload b= new AreaOfMethodOverload();
26         b.areaCircle();
27         System.out.println("Enter radius 2:");
28         r2=sc.nextInt();
29         AreaOfMethodOverload c= new AreaOfMethodOverload();
30         c.areaCircle(r2);
31         System.out.println("Area of Circle-----Radius=5:");
32         a.display();
33         System.out.println("Area of Circle-----Radius="+r1);
34         b.display();
35         System.out.println("Area of Circle-----Radius="+r2);
36         c.display();
37     }
38 }
39
```