

Java Week 1:Q1

Due on 2020-10-01, 23:59 IST

Complete the code segment to **find the perimeter and area of a circle given a value of radius**. You should use `Math.PI` constant in your program. If radius is zero or less than zero then print " please enter non zero positive number ".

Private Test cases used for evaluation	Input	Expected Output	Actual Output	Status
Test Case 1	2.0	12.566370614359172\n12.566370614359172	12.566370614359172\n12.566370614359172	Passed
Test Case 2	0	please enter non zero positive number	please enter non zero positive number	Passed

The due date for submitting this assignment has passed.

2 out of 2 tests passed.

You scored 100.0/100.

Assignment submitted on 2020-10-01, 08:25 IST

Your last recorded submission was :

```
1 import java.util.Scanner;
2 public class Exercisel_1 {
3     public static void main(String[] args) {
4         Scanner s = new Scanner(System.in);
5         double radius= s.nextDouble();
6         double perimeter;
7         double area;
8         if (radius <= 0)
9         {
10            System.out.print("please enter non zero positive number");
11        }
12        else
13        {
14            perimeter = (2) * Math.PI * radius;
15            area = Math.PI * Math.pow(radius, 2);
16            System.out.println(perimeter);
17            System.out.print(area);
18        }
19    }
20 }
```

Sample solutions (Provided by instructor)

```
1 import java.util.Scanner;
2 public class Exercisel_1 {
3     public static void main(String[] args) {
4         Scanner s = new Scanner(System.in);
5         double radius= s.nextDouble();
6         double perimeter;
7         double area;
8         if(radius<=0)
9         {
10            System.out.println("please enter non zero positive number ");
11        }
12        else
13        {
14            perimeter = 2 * Math.PI * radius;
15            area = Math.PI * radius * radius;
16            System.out.println(perimeter);
17            System.out.println(area);
18        }
19    }
20 }
```

Course outline

How does an NPTEL online course work?

Week 0 : Assignment 0

Week 1 :

- Lecture 01 : Introduction
- Lecture 02 : Java Programming Steps
- Lecture 03 : Java Tools and Resources
- Lecture 04 : Demonstration-I
- Lecture 05 : Java Applet Programming
- Quiz: Assignment 1

Java Week 1:Q1

Java Week 1:Q2

Java Week 1:Q3

Java Week 1:Q4

Java Week 1:Q5

Feedback For Week 1

Week 2 :

Week 3 :

Week 4 :

Week 5 :

Week 6 :

Week 7 :

Week 8 :

Week 9 :

Week 10 :

Week 11 :

Week 12 :

Solution

DOWNLOAD VIDEOS

Text Transcripts

Programming Test - (April 11 - 10AM - 12 PM)

Programming Test - (April 11 - 8PM - 10 PM)