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rajeshborate08@gmail.com

NPTEL (https://swayam.gov.in/explorer?ncCode=NPTEL) » Programming in Java (course)

Announcements (announcements)

About the Course (https://swayam.gov.in/nd1_noc20_cs08/preview) Ask a Question (forum)

Progress (student/home) Mentor (student/mentor)

Register for Certification exam (https://nptelaprilexam.swayam.gov.in/)

Course outline

How does an NPTEL online course work?

Week 0 :

Week 1 :

- Lecture 01 : Introduction (unit?unit=2&lesson=15)
- Lecture 02 : Java Programming Steps (unit?unit=2&lesson=16)
- Lecture 03 : Java Tools and Resources

Java Week 1:Q1

Due on 2020-02-13, 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\n	Passed
Test Case 2	0	please enter non zero positive number	please enter non zero positive number\n	Passed

Due Date Exceeded.
2 out of 2 tests passed.
You scored 100.0/100.

Your last recorded submission was :

```
1 import java.util.Scanner;
2 public class Exercise1_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
```

```
 9 if(radius<=0){
10     System.out.println("please enter non zero positive number");
11 }
12 else{
13     perimeter=2*Math.PI*radius;
14     area=Math.PI*Math.pow(radius,2);
15     System.out.println(perimeter);
16     System.out.println(area);
17
18 }
19  }
20 }
```

Sample solutions (Provided by instructor)

Select the Language . Java ▼

```
 1 import java.util.Scanner;
 2 public class Exercise1_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 }
```

Assignment Solution