CHALLENGE INFORMATION

You have already solved this challenge ! Though you can run the code with different logic !

Course	JAVA	Session	IO Operations	Question Information	Level 2 Challenge 3

Problem

Problem Description:
Arul and Kani own the farm in the beautiful location of the city were lot of cows was roaming around.

One day Arul and Kani was out of the city.

On that day cows have eaten the grasses in the farm which is circular in structure.

Whem Arul and Kani reached the location they were shocked to see the grass being eaten by crows.

Now they wold like to know for how much area and circumference of the farm the cows have eaten the grass.

Can you help them finding it.

Functional Description:
Circumference = 2*π*r
Area =π *r*r
π = 3.14

Constraints:
1.00 <=rad <=100.00

Input Format:

The only line of the input represents the radius of the circle of type float.

Output Format:
Print the area in the first line and circumference in the second line with only 2 values after decimal point

Test Cases

Logical Test Cases

Test Case 1

INPUT (STDIN)

```
78.6
```

EXPECTED OUTPUT

```
19408.63
493.86
```

Test Case 2

INPUT (STDIN)

```
91.3
```

EXPECTED OUTPUT

```
26187.34
573.65
```

Mandatory Test Cases

Test Case 1

KEYWORD

```
double rad =
sc.nextDouble();
```

Test Case 2

KEYWORD

```
Math.PI
```

Test Case 3

KEYWORD

```
String.format("%.2f",
area)
```

Test Case 4

KEYWORD

```
String.format("%.2f",
circumference)
```

Complexity Test Cases

Test Case 1	Test Case 2	Test Case 3
CYCLOMATIC COMPLEXITY	TOKEN COUNT	NLOC
1	105	15

Code Editor

You have already solved this challenge ! Though you can run the code with different logic !

Code Editor — JAVA SE 1.8 — Light Theme

```
1  import java.util.Scanner;
2  public class Class332241010280 {
3      public static void main(String[] args) {
4          Scanner sc = new Scanner(System.in);
5          double rad = sc.nextDouble();
6          double circumference = 2 * Math.PI * rad,area = Math
7          String Area = String.format("%.2f", area),Circumfere
8          System.out.println(Area+"\n"+Circumference);
9      }
10 }
```

Custom Input (stdin) — T1 T2

Type Here

Output — MATCH T1 MATCH T2

Empty

Complexity Analysis