



Day 1: Let and Const ★

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Problem

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Objective

In this challenge, we practice declaring variables using the let and const keywords. Check out the attached tutorial for more details.

Task

1. Declare a constant variable, **PI**, and assign it the value Math.PI. You will not pass this challenge unless the variable is declared as a constant and named PI (uppercase).
2. Read a number, **r**, denoting the radius of a circle from stdin.
3. Use **PI** and **r** to calculate the **area** and **perimeter** of a circle having radius **r**.
4. Print **area** as the first line of output and print **perimeter** as the second line of output.

Input Format

A single integer, **r**, denoting the radius of a circle.

Constraints

- $0 < r \leq 100$
- **r** is a floating-point number scaled to at most 3 decimal places.

Output Format

Print the following two lines:

1. On the first line, print the **area** of the circle having radius **r**.
2. On the second line, print the **perimeter** of the circle having radius **r**.

Sample Input 0

2.6

Sample Output 0

```
21.237166338267002
16.336281798666924
```

Explanation 0

Given the radius **r** = 2.6, we calculate the following:

- $area = \pi \cdot r^2 = 21.237166338267002$
- $perimeter = 2 \cdot \pi \cdot r = 16.336281798666924$

We then print **area** as our first line of output and **perimeter** as our second line of output.

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Language: JavaScript (Node.js)



```
24
25 function main() {
26     // Write your code here. Read input using 'readLine()' and print output using
    'console.log()'.
27     var r=readLine()
28
29     const PI = Math.PI
30
31     console.log(PI * Math.pow(r,2))
32
33     console.log(2*PI*r)
34     // Print the area of the circle:
35
36     // Print the perimeter of the circle:
37
38     try {
39         // Attempt to redefine the value of constant variable PI
40         PI = 0;
41         // Attempt to print the value of PI
42         console.log(PI);
43     } catch(error) {
44         console.error("You correctly declared 'PI' as a constant.");
45     }
46 }
```

Line: 38 Col: 14

☒ Upload Code as File ☐ Test against custom input[Run Code](#)[Submit Code](#)

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60%

8/10



Congratulations

You solved this challenge. Would you like to challenge your friends?

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Test case 0

Test case 1

Compiler Message

Success

Input (stdin)

1 2.6

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Expected Output

1 21.237166338267002

2 16.336281798666924

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