Day 1: Let and Const ★

2 more challenges to get your next star! Points: 8/10

Your Day 1: Let and Const submission got 10.00 points.

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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.

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

Input Format

A single integer, \boldsymbol{r} , denoting the radius of a circle.

Constraints

- $0 < r \le 100$
- $oldsymbol{r}$ is a floating-point number scaled to at most $oldsymbol{3}$ decimal places.

Output Format

Print the following two lines:

- 1. On the first line, print the $\it area$ of the circle having radius $\it r$.
- 2. On the second line, print the ${\it perimeter}$ of the circle having radius ${\it r}$.

Sample Input 0

2.6

Sample Output 0

21.237166338267002 16.336281798666924

Explanation 0

Given the radius $m{r}=m{2.6}$, 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.

```
Change Theme Language: JavaScript (Node.js) 👸 🔯
 24
      function main() {
 25
          // Write your code here. Read input using 'readLine()' and print output using
 26
      'console.log()'.
          var r=readLine()
 27
 28
          const PI = Math.PI
 29
 30
 31
          console.log(PI * Math.pow(r,2))
 32
 33
          console.log(2*PI*r)
          // Print the area of the circle:
 34
 35
 36
          // Print the perimeter of the circle:
 37
 38
          try {
              // Attempt to redefine the value of constant variable {\sf PI}
 39
 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
                  ☐ Test against custom input
Submit Code
                                                                                            Run Code
```

You have earned 10.00 points!

You are now 2 challenges away from the 3rd star for your 10 days of js badge.

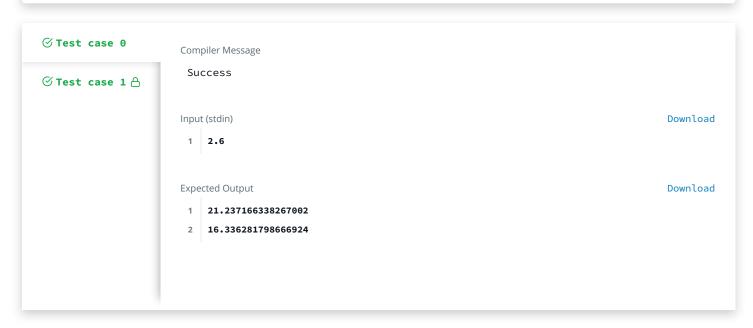
10
Days of JS

8/10

Congratulations

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

Next Challenge



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