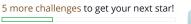
## Day 4: Classes ★



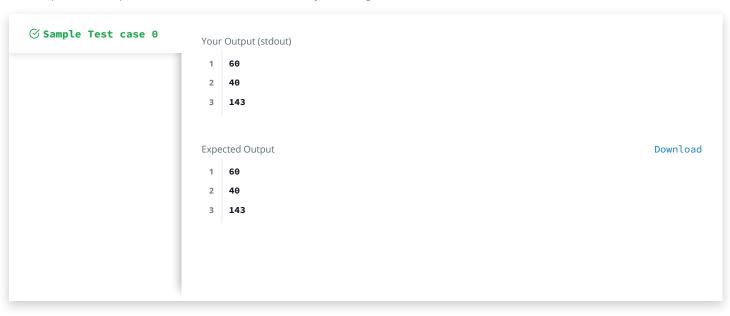
Points: 12/17

Problem Submissions Leaderboard Editorial 🖰 **Topics** Objective In this challenge, we practice using JavaScript classes. Check the attached tutorial for more details. Create a Polygon class that has the following properties: A constructor that takes an array of integer values describing the lengths of the polygon's sides. • A perimeter() method that returns the polygon's perimeter. Locked code in the editor tests the Polygon constructor and the perimeter method. Note: The perimeter method must be lowercase and spelled correctly. Input Format There is no input for this challenge. **Output Format** The perimeter method must return the polygon's perimeter using the side length array passed to the constructor. Explanation Consider the following code: // Create a polygon with side lengths 3, 4, and 5 let triangle = new Polygon([3, 4, 5]); // Print the perimeter console.log(triangle.perimeter()); When executed with a properly implemented Polygon class, this code should print the result of 3+4+5=12.

```
Change Theme
                                                                                    Language: JavaScript (Node.js) 57 6
      * Implement a Polygon class with the following properties:
3
     * 1. A constructor that takes an array of integer side lengths.
4
     * 2. A 'perimeter' method that returns the sum of the Polygon's side lengths.
5
7
    class Polygon{
8
9
         constructor(sides){
10
             this.s=sides
11
12
13
14
    Polygon.prototype.perimeter=function()
15
         {
16
             return this.s.reduce((a,b)=>a+b)
17
18
19
    const rectangle = new Polygon([10, 20, 10, 20]);
    const pantagon neweroPopggg6fi[010102010301040; 43]);
```

## **Congratulations!**

You have passed the sample test cases. Click the submit button to run your code against all the test cases.



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