



# Challenge 1: Calculate the Average Marks of a Class

Test your knowledge by solving a challenge in this lesson.

We'll cover the following



- Problem statement
  - Sample input
  - Sample output
- Coding exercise

## Problem statement#

Your task is to write a function `average` . Your function signature should be:

```
double average ( double marks[ ] , int size )
```



The input array `marks[ ]` will contain the marks of all the students in the class. Your task is to calculate the `average` marks of the class and return it in the output.

The basic formula for calculating the average of the values is given below:

$$\text{Average} = \text{Sum of all values} / \text{Total Number of values}$$

## Sample input#



  (/learn)  
average ({10.5, 67.8, 98.6, 31.2}, 4 );

## Sample output#

52.025

## Coding exercise#

Before diving directly into the solution, try to solve it yourself. Then, check if your code passes all the test cases.




Please don't modify the given function `average`; otherwise, your code will not pass the test cases.

Good luck! 🍀

```
1 double average (double marks[], int size){
2     double average = 0;
3     // Write your code here
4     return average;
5 }
```



 If you have solved the problem, congratulations!

In case you are stuck, go over the solution review in the next lesson.

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