

Challenge 1: Calculate the Average Marks of a Class

Let's test our knowledge by solving a challenge in this lesson.

We'll cover the following ^

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

Problem statement

In this challenge, 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

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

Sample output

```
52.025
```

Coding exercise

Before diving directly into the solution, first, try to solve it yourself, and then check if your code passes all the test cases. If you get stuck, you can always see the given solution.

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

Good Luck! 

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



Hint 1 of 2

< Sum all the elements of array

>

 If you have solved the problem, congratulations!

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