

Challenge 2: Return an Array of Squares

This challenge tests your knowledge of functions and arrays.

We'll cover the following ^

- Problem Statement
- Output
- Coding Exercise

Problem Statement

The task is to modify the given function `arr_square()` to use loops to iterate over an array and replace all of its elements by their squares.

Output

The function should return the following array:

```
[1, 4, 9, 16, 25]
```

Coding Exercise

Write your code below. It is recommended that you try solving the exercise yourself before viewing the solution.

Note: There is an `arr_square` function given in the code for testing purposes. Do not modify it.

Good luck! 🍀

```
fn arr_square() -> [i32;5] {  
    // Write code here!  
    [0, 0, 0, 0, 0]  
}
```



Hint 1 of 1

< Use a **for** loop to calculate the square of value at each index >

Let's move on to the detailed solution review in the next lesson.