

Cairo Crash Course

Control Flow - Exercise 4

It is time for **while**! 🎉🎊🌟

For this exercise we will use **structs** and **arrays**, but don't **panic!** 😬, the code for this part will be already given and of course these topics will be covered later! 😊

Contract Implementation

Complete the function `using_while(my_struct: MY_STRUCT) -> u32` in `control_flow_exercise_4.cairo`. The function receives a `my_struct: MY_STRUCT` and returns a `u32`.

The following **struct** is already defined:

```
struct MY_STRUCT {  
    product: u32,  
    my_array: Array<u32>  
}
```

This struct contains two items of type `u32` and `Array<u32>`, the function multiplies all the elements in `my_array` and the result is multiplied with the field `product`.

For example:

```
product: 2  
my_array: [1, 2, 3, 4] (multiplying the elements) 24  
using_while() = product * my_array = 48
```

Eventually the function should print to the console the result and return it.

Checking The Exercises

Check that the exercises is completed by running the command `snforge test control_flow_4`.

Useful Links

[While loops](#)