

# Cairo crash course

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## Functions - Exercise 2 - Chasing perfection

We are going to continue the practice chasing perfection in our code! For that, we will create a function to verify if the number provided is perfect 😊 You will solve this exercise using a combination of if statements and loops 👁️

### Contract Implementation

A perfect number is a positive integer that is equal to the sum of its proper divisors. For example: the smallest perfect number is 6, which is the sum of 1, 2, and 3. [Read more here](#).

Complete the function `is_perfect(number: u128) -> bool` in the cairo file `functions_exercise_2.cairo`. The function receives a `number` (The number to be checked) and returns boolean which determines whether the number is perfect or not.

### Base cases

- if `number` is equal to 0 return false.
- if `number` is equal to 1 return false.

### Checking the exercise

Once you've completed the tasks, run the command `snforge test functions_2` to verify that all tests pass.

## Useful links

[Cairo Book: Functions](#)