Introduction to Python Day 2

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Jupyter Notebook

Recap homework

Let's take a look at the homework

Functions part 2

Goal of today

This is an example to showcase what we will achieve today.

Global vs. Local
Short interlude
• Whole numbers: Integers int
type(1)
int
• Real numbers: Floats float
type(1.0)
float
• Most of the time it might not matter ¹
1 == 1.0
True
• Sometimes there is a difference and we will see later why
Most of the time python handles the integer vs. float automatically. You will not have to worry

Conditional statements

about assigning.

The important question of what to do "if" something happens.

- Programming languages are languages
- if something is True you should do something, else do something else

¹In python

How to check if everything is true?
For loops
Enumerate
Range
List comprehension
Compare different functions
While loops
Perform a task while something is TrueBe careful:
 Some loops never finish (get stuck) Make sure that condition for ending the loop can be fullfilled
<pre>while check_condition: perform_task()</pre>
Errors and how to read them
Types of errors
Fix errors