

# Assembly is hard to write

- Writing CPU instructions by hand is hard
- Writing Python is easy (or at least not as hard as assembly)
- Idea: write high-level programming languages in assembly, which are compiled to machine code. Then we never have to write assembly again!



# Where's Python?

- Python is interpreted, not compiled:



- We will see more about the differences between interpretation and compilation in the lecture on how programming languages work.