# FEDS - Modelling and Analysing of Forestal and Environmental Data

First steps with Python

## What is Python?

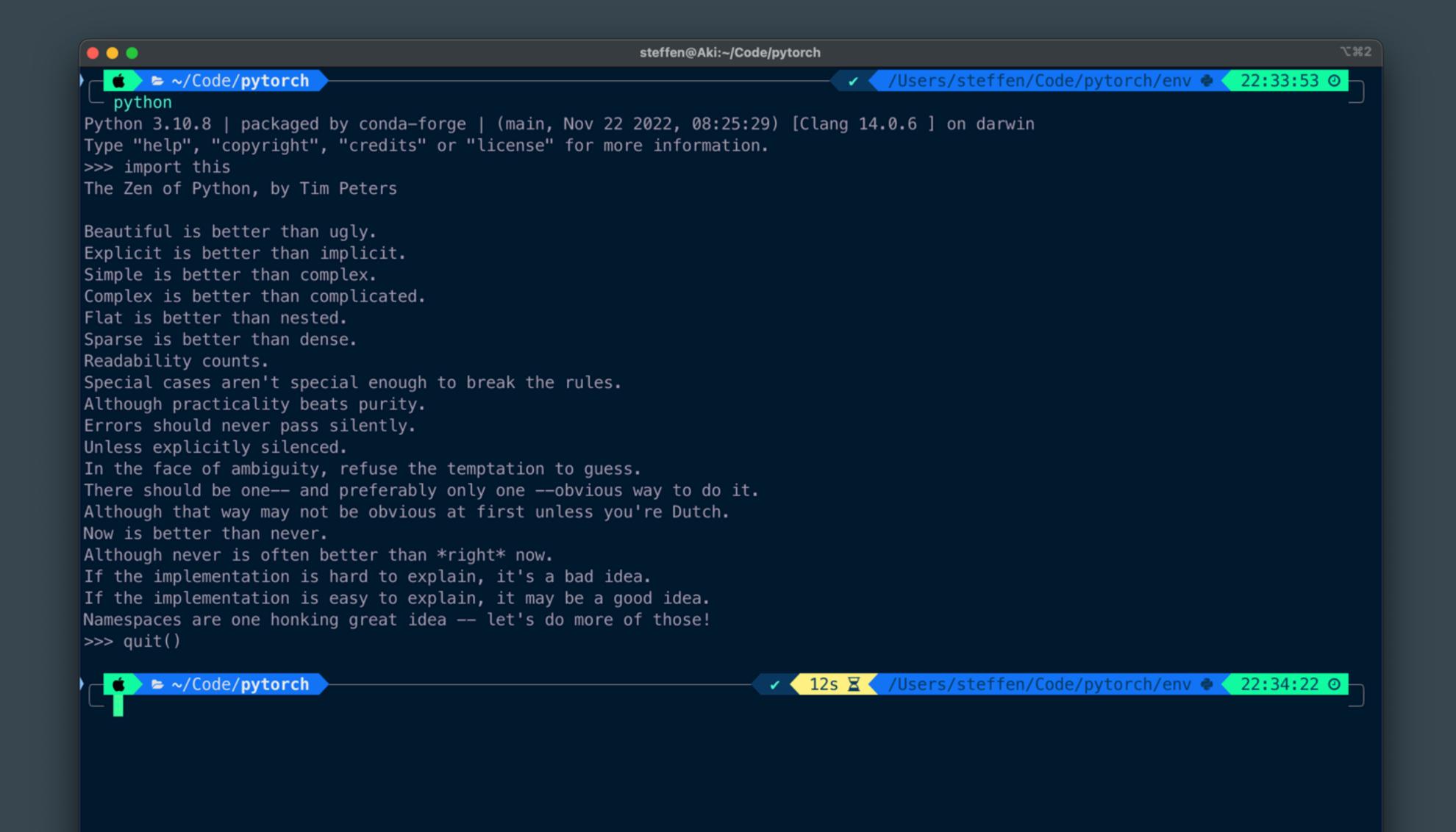
- Python was developed since the 1980's as a sucessor of the language called "ABC" by Guido van Rossum
- Its a "scripting language", that means it is interpreted" (in contrast to compiled)
- Its emphasised on readability
- It uses "significant indentation" to separate blocks
- It is dynamically typed



Python's aim: It should be learnable by non-programmers

#### The Zen of Python

build into the language by Tim Peters (creator of the Timsort algorithm)



## How Python is organised

- Python has a "core" interpreter https://www.python.org/
- The extensibility is realised via "modules" https://pypi.org/

- Python has a plethora of 3rd party modules (aka libraries) that can be used
- many modules have been developed by large companies like Google, Meta, Microsoft, Apple, and numerous other contributors

## Where to find help?

- RTFM the "ground truth" we should always refer to <a href="https://docs.python.org/3/">https://docs.python.org/3/</a>
- Go to the course Github Discussions <a href="https://github.com/stenoe/FEDS/discussions">https://github.com/stenoe/FEDS/discussions</a>