Faculty of Economics and Management

Python as a tool of a modern student

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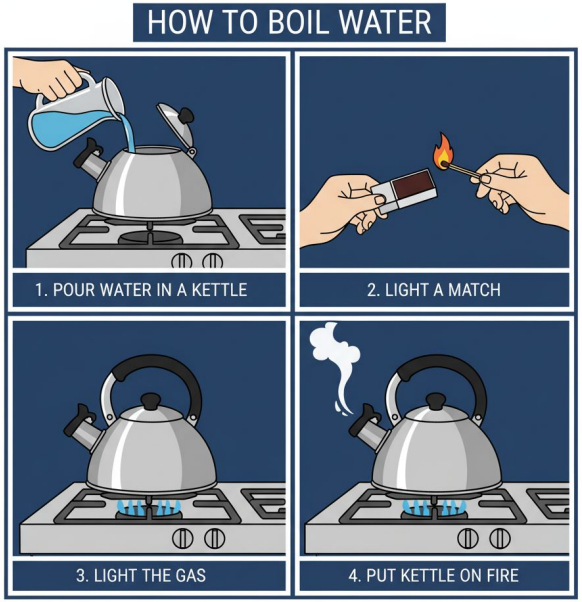
Lecture 2
8.10.2025

What I forgot to say last time?

- Philosophy of programming - what are we doing?
- Algorithm
- Basic elements of any (programming) language

- web předmětu

Philosophy of programming



- Prof. Ivan Vrána - “a cup of tea”
- Golden rule:

  Computer is stupid and does only what you tell it to do.

- Code must reflect some logic.
- Neither language is foolproof (yet some are more user-friendly)

- 💡 Good practice: design your code on paper first, then use computer



Basics of programming (general)



- assignments (`=`)
- IO (`input`, `print`)
- conditions (`if` - `else`)
- cycles (`for`, `while`)
- functions (`def`)
- importing libraries/packages (`import`)

Important: Python is object oriented language (everything is an object).

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