setup:

- git reset + pull the repo
- cd to ML1/lectures (where hello.py is)
- open hello.py in editor - zoom
- Open console - set font size for projector
- log into checkio.org, copy a couple of exercises, or from here
- Check VSCode type hints highlighting - check Python plugin version

COMP 3122 - Artificial Intelligence with Python

Week 1 - lab

Follow along at github.com/kamrik/ML1

Introduction

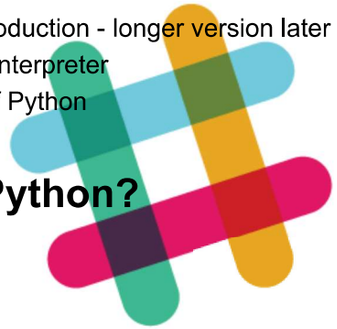
- Brief version - longer on Thursday

https://georgebrowntech.slack.com/signup

Today

- Brief introduction - longer version later this week
- IPython interpreter
- Recap of Python

Which Python?



- I recommend to install Anaconda 3 (full version, not miniconda) on your personal computers.

Recommended text editor - VSCode

IPython

IPython demo

IPython

- Tab completion
- History (arrow up in console)
- ? and ?? for help
- Magic functions: %run (there are more, use %lsmagic)
- You can use “?” after magic functions

Python refresher

- Sign up on https://checkio.org/
  - Solve at least 3 problems from Elementary or Home bases
- Use this Python cheatseet - http://learnxinyminutes.com/docs/python3/

CheckIO demo

Optional extra exercises

LeetCode is often used to practice for interviews. Start with those questions:

- #771. Jewels and Stones
- #461. Hamming Distance
- #500. Keyboard Row

If you are into video games, try https://www.codingame.com

Lab instructions

- Use this Python cheatseet - http://learnxinyminutes.com/docs/python3/
- Sign up at https://checkio.org/, start from "Elementary" problems
- Create a directory for your work
- Copy & paste the code from CheckIO to a text editor (VSCode) and save as .py file
- Open "Anaconda Prompt", CD to your directory and run "ipython"
- Use %run yourfile.py to run and test the code
- Once all assertions pass, copy the code back to the text box on checkio.org and click