# Python

## Installation and command line

# Command line

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Windows:

    "cmd" —> command line

    open Start —> type "cmd" and enter

Linux/macOS

    terminal

# Basic commands
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- whoami
- current directory
    - windows – cd
    - linux/macOS – pwd
- contents of the folder
    - windows – dir
    - linux/macOS – ls
- change of directory
    - windows/linux/macOS – cd name_or_path_of_folder
- create a folder
    - windows/linux/macOS – mkdir name_of_folder

# Install!

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If you don't have python already, install it!

Windows

    https://www.python.org/downloads/

    Windows 10 - download from store


Check for the version - please install at least version 3.6!

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Linux

```
$python3 --version

$sudo apt-get install python3
```

MacOS

Homebrew

```
$brew install python3
```

# Check the version
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Linux/macOS/Windows

python3 --version

# Virtual environment and other tips

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- Protection of other projects
- Good for version control
- Create virtual environment
  - windows —> $py -3 -m venv venv
  - linux/macOS —> $python3 -m venv venv
- Start virtual environment
  - windows —> $venv\Scripts\activate
  - linux/macOS —> $source venv/bin/activate

# Code/text editor

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plain text – no formatting, no headers,

BUT: row numbers, colours, indentation

Lot of options – choose what you like!

- Atom – universal for all OS
- Visual Studio Code
- Notepad++ for windows

More advanced IDE – Pycharm