

Setup of the system environment for the labs

This lab is for installing and setting up your machine for the labs in the course Data Engineering.

We are going to implement all of the labs with Python in so-called jupyter notebook files.

If you already have installed the necessary tools and libraries for running Python code in jupyter notebook files, you can just try out the corresponding **Lab01.ipynb** file and check if it is running on your machine.

For now, you need the following things installed on your (virtual) machine:

- **Python (version ≥ 3.8)**
 - <https://www.python.org/downloads/>
- **Pip**
 - <https://pypi.org/project/pip/>
- **Jupyter Notebook**
 - <https://jupyter.org/>
- **Pandas**
 - <https://pandas.pydata.org/>

At the end of this lab all of the methods in the notebook file should be finish with the answer "Done...". Then you are all set. In the following labs, we are going to install more and more libraries with the pip command. These libraries are always mentioned in the header of the notebook files. So, it is **very important** that the installation of libraries is working for you.

If you have any questions, please ask in the teams channel asap.