

In this practical, you need to download **2-prac3.ipynb** to a folder (for example, **week3**) and start jupyter notebook from there.

1. Start your terminals / command prompts:

For those who use Mac PC in Room B3.02, you need to go through following steps to start your terminal:

- Head into *System Preferences* (click on the Apple icon on the top left of the screen) and select *Keyboard > Shortcuts > Services*.
- Find “*New Terminal at Folder*” in your right hand side and click the box.
- Go to the directory of your folder, which contains `prac3.ipynb`, right-click on the folder and select “*New Terminal at Folder*” at the bottom.
- Type “*source activate jupyter*” to start the virtual environment for python 3.

For those who use Windows machine, you just need to go to your folder, click on the address bar, type `cmd` and `Enter`.

2. Start your notebook and do exercises:

- Type “*jupyter notebook*” to start the server.
- Open **2-prac3.ipynb**.
- Read and run all code cells to see the output.
- Fill your code in the code cell below each exercise.

3. What will you learn:

- Different data formats, in particular: `.csv`, `.xls`, `.xlsx`, `.json` and `.xml`
- Some basic input/output operations.
- How to load a specific package in python using ‘import’ statement. Packages in python will help you to do various tasks just by calling their functions or methods. These functions are similar to Python build-in functions such as `sum`, `min` or `max`.