

Effective Programming Practices for Economists

# Basic Python

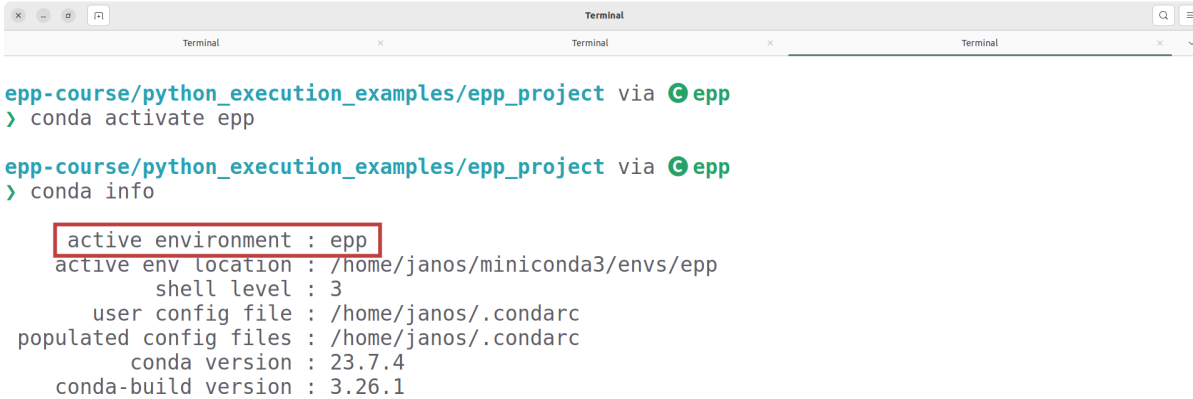
Executing notebooks in a browser

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# Preparation

- We assume you have installed anaconda and created the course environment
- Open a shell in the root directory of your project
  - On Windows, use the anaconda prompt or the powershell
  - If conda is not recognized in the powershell, check out this [stackoverflow post](#)
- Activate the environment using ``conda activate epp``
- Confirm the activation worked using ``conda info``

# 0. Activate and Info



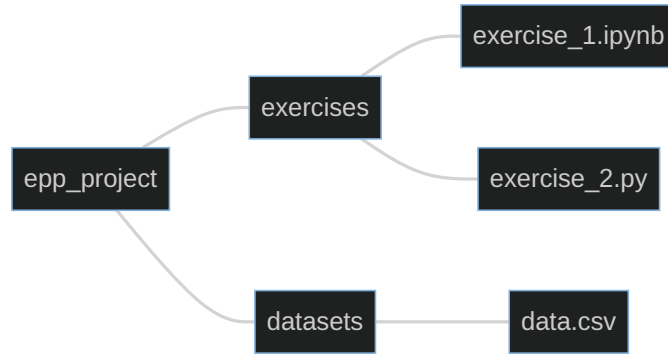
```
epp-course/python_execution_examples/epp_project via G epp
> conda activate epp

epp-course/python_execution_examples/epp_project via G epp
> conda info

active environment : epp
active env location : /home/janos/miniconda3/envs/epp
  shell level      : 3
  user config file  : /home/janos/.condarc
populated config files : /home/janos/.condarc
  conda version     : 23.7.4
  conda-build version : 3.26.1
  python version     : 3.9.18.final.0
  virtual packages   : __archspec=1=x86_64
                     __cuda=12.0=0
                     __glibc=2.35=0
                     __linux=6.2.0=0
                     __unix=0=0

  base environment  : /home/janos/miniconda3 (writable)
  conda av data dir  : /home/janos/miniconda3/etc/conda
  conda av metadata url : None
  channel URLs       : https://conda.anaconda.org/conda-forge/linux-64
                     https://conda.anaconda.org/conda-forge/noarch
```

# Example project structure

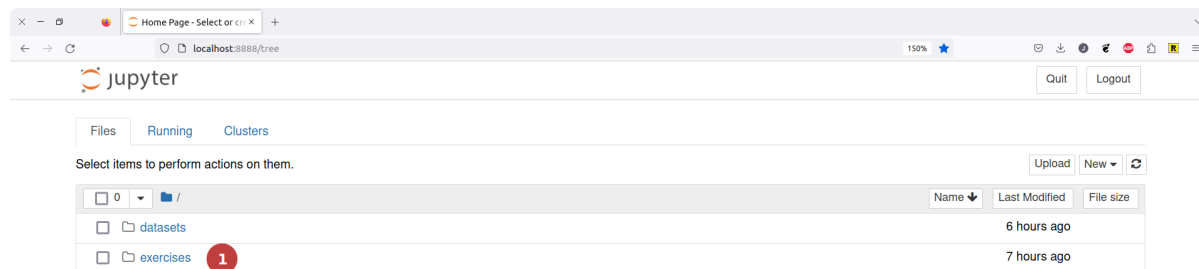


- Our shell is in the ``epp_project`` directory
- We want to run ``exercise_2.ipynb`` in the browser
- Command is ``jupyter notebook``

# 1. Start Notebook



## 2. Landing Page



### 3. Click on Folder



The screenshot shows a web browser window with the address bar at `localhost:8888/tree/exercises`. The JupyterLab interface has tabs for 'Files', 'Running', and 'Clusters'. The 'Files' tab is active, displaying a file browser. At the top, there are buttons for 'Upload', 'New', and a refresh icon. Below this, a table lists the contents of the 'exercises' folder. The table has columns for 'Name', 'Last Modified', and 'File size'. The first row is a parent directory '...' with a last modified time of 'seconds ago'. The second row is a file 'exercise\_2.ipynb' with a last modified time of '2 hours ago' and a size of '1.83 kB'. The third row is a file 'exercise\_1.py' with a last modified time of 'an hour ago' and a size of '21 B'.

	Name	Last Modified	File size
<input type="checkbox"/> 0	..	seconds ago	
<input type="checkbox"/>	exercise_2.ipynb	2 hours ago	1.83 kB
<input type="checkbox"/>	exercise_1.py	an hour ago	21 B

localhost:8888/notebooks/exercises/exercise\_2.ipynb

## 4. Work in the Notebook

