

# **Effective Programming Practices for Economists**

## **Basic Python**

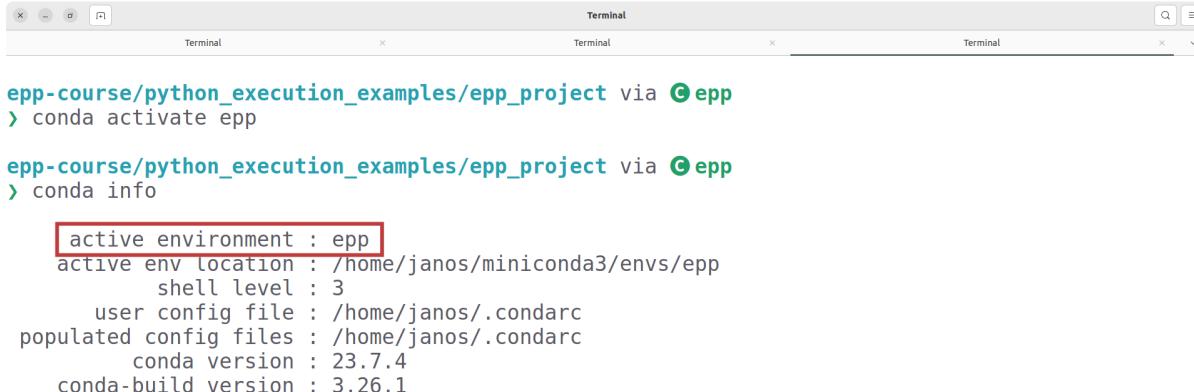
### **Executing notebooks in a browser**

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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`

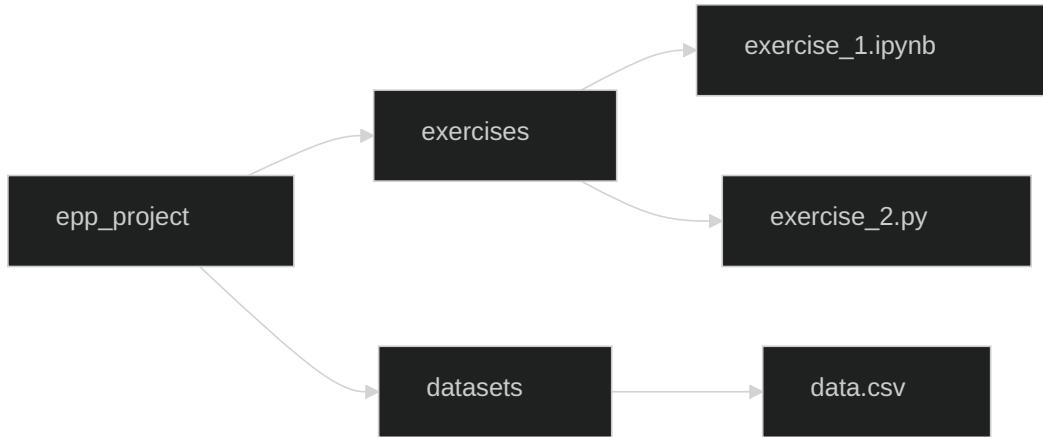
# 0. Activate and Info



The image shows three terminal windows side-by-side. The first terminal window contains the command `conda activate epp`. The second terminal window contains the command `conda info`. The third terminal window is partially visible. The output from the second terminal window is highlighted with a red box around the line `active environment : epp`. The output is as follows:

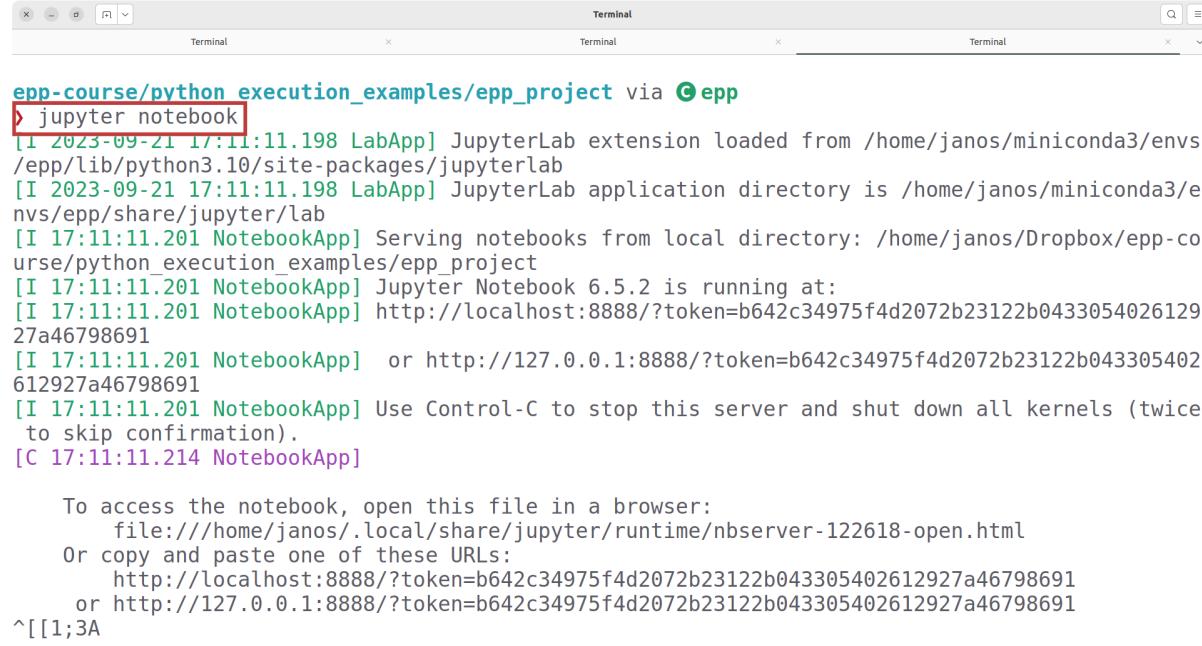
```
active environment : epp
active env location : /home/janos/miniconda3/envs/epp
          shell level : 3
      user config file : /home/janos/.condarc
populated config files : /home/janos/.condarc
          conda version : 23.7.4
      conda-build version : 3.26.1
          python version : 3.9.18.final.0
      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



```
Terminal Terminal Terminal
epp-course/python_execution_examples/epp_project via C epp
jupyter notebook
[I 2023-09-21 17:11:11.198 LabApp] JupyterLab extension loaded from /home/janos/miniconda3/envs/epp/lib/python3.10/site-packages/jupyterlab
[I 2023-09-21 17:11:11.198 LabApp] JupyterLab application directory is /home/janos/miniconda3/envs/epp/share/jupyter/lab
[I 17:11:11.201 NotebookApp] Serving notebooks from local directory: /home/janos/Dropbox/epp-course/python_execution_examples/epp_project
[I 17:11:11.201 NotebookApp] Jupyter Notebook 6.5.2 is running at:
[I 17:11:11.201 NotebookApp] http://localhost:8888/?token=b642c34975f4d2072b23122b043305402612927a46798691
[I 17:11:11.201 NotebookApp] or http://127.0.0.1:8888/?token=b642c34975f4d2072b23122b043305402612927a46798691
[I 17:11:11.201 NotebookApp] Use Control-C to stop this server and shut down all kernels (twice
to skip confirmation).
[C 17:11:11.214 NotebookApp]

To access the notebook, open this file in a browser:
file:///home/janos/.local/share/jupyter/runtime/nbserver-122618-open.html
Or copy and paste one of these URLs:
http://localhost:8888/?token=b642c34975f4d2072b23122b043305402612927a46798691
or http://127.0.0.1:8888/?token=b642c34975f4d2072b23122b043305402612927a46798691
^[[1;3A
```

# 2. Landing Page



# 3. Click on Folder



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

# 4. Work in the Notebook

