

Effective Programming Practices for Economists

Basic Python

Executing `.py` files from the shell

Janoś Gabler and Hans-Martin von Gaudecker

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``

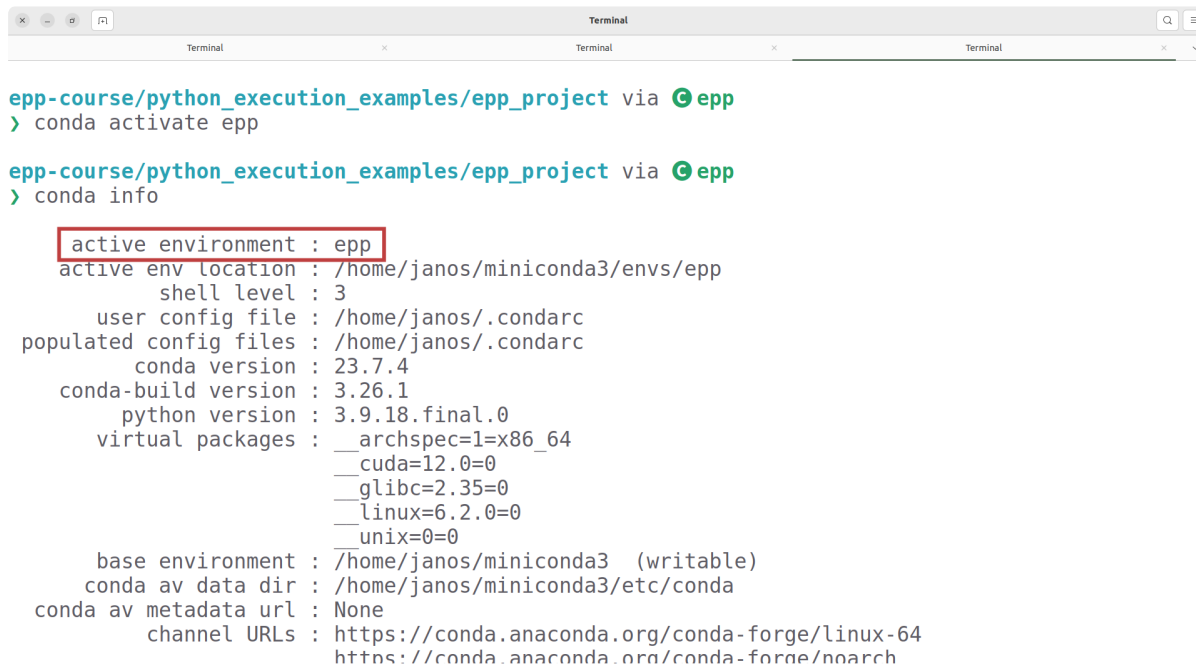
Example project structure

```
epp_project/  
  exercises/  
    exercise_1.py  
    exercise_2.ipynb
```

```
  datasets/  
    data.csv
```

- Our shell is in the ``epp_project`` directory
- We want to run ``exercise_1.py``
- Command is ``python exercises/exercise_1.py``

In action: 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
```

In action: execute

