

Effective Programming Practices for Economists

Basic Python

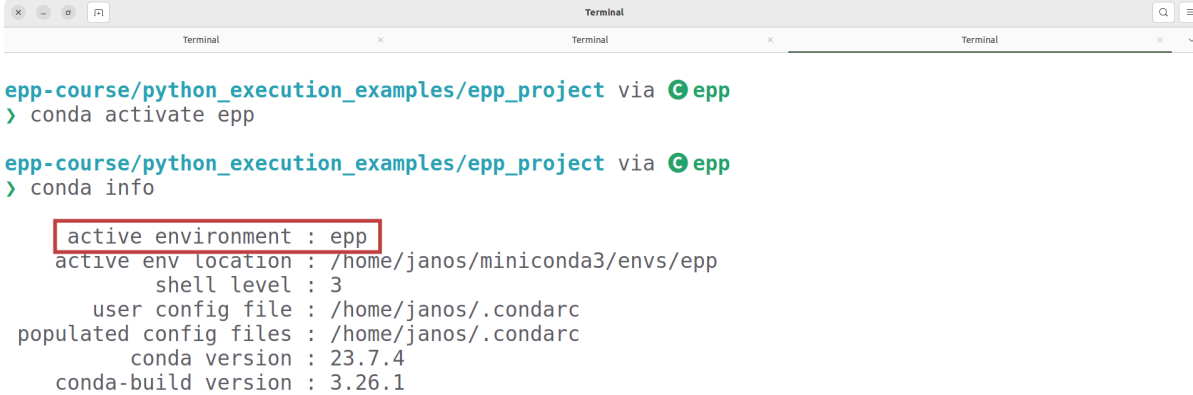
Executing ".py"-files from the shell

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 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

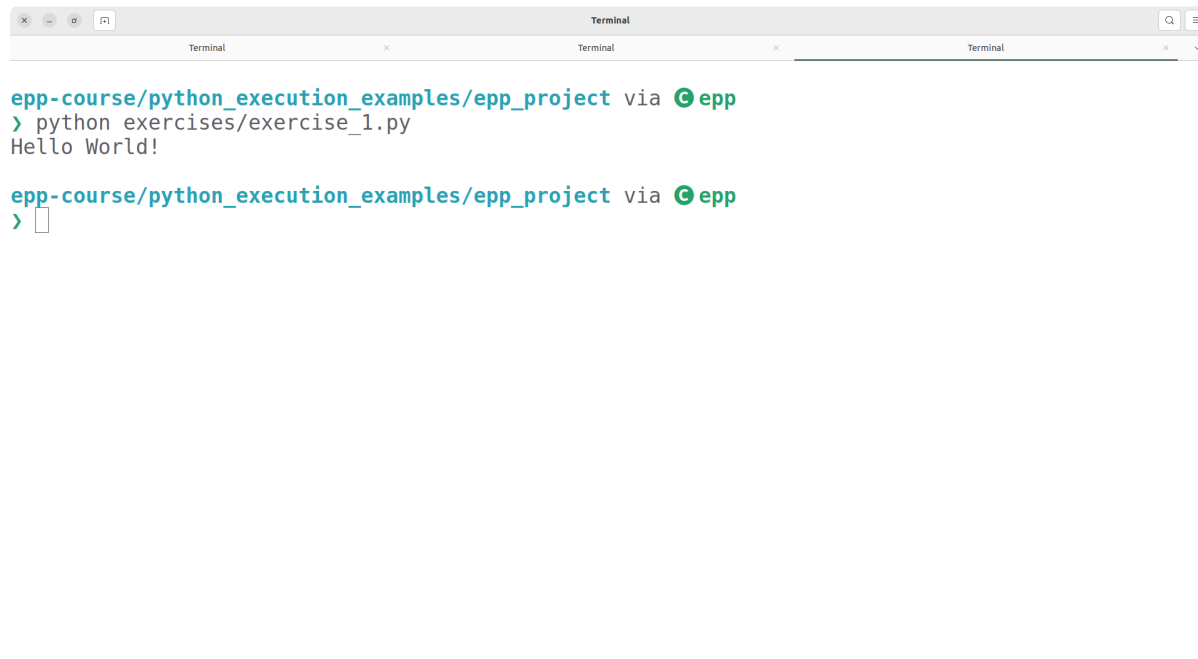
active environment : epp
active env location : /home/janos/miniconda3/envs/epp
shell level : 3
user config file : /home/janos/.condarc
populated config files : /home/janos/.condarc
conda version : 23.7.4
conda-build version : 3.26.1
python version : 3.9.18.final.0
virtual packages : __archspec=1=x86_64
                  __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_1.py``
- Command is ``python exercises/exercise_1.py``

1: Execute

A screenshot of a macOS-style terminal window with a title bar labeled "Terminal". The window contains two lines of text. The first line shows the current directory as "epp-course/python_execution_examples/epp_project" and the user "epp". The second line shows the command "python exercises/exercise_1.py" being executed, followed by the output "Hello World!". The third line shows the same directory and user, with a prompt character ">" and a cursor. The terminal window has a standard macOS title bar with close, minimize, and maximize buttons, and a search icon in the top right corner.

```
epp-course/python_execution_examples/epp_project via epp  
> python exercises/exercise_1.py  
Hello World!  
  
epp-course/python_execution_examples/epp_project via epp  
> 
```