

# **Effective Programming Practices for Economists**

## **Basic Python**

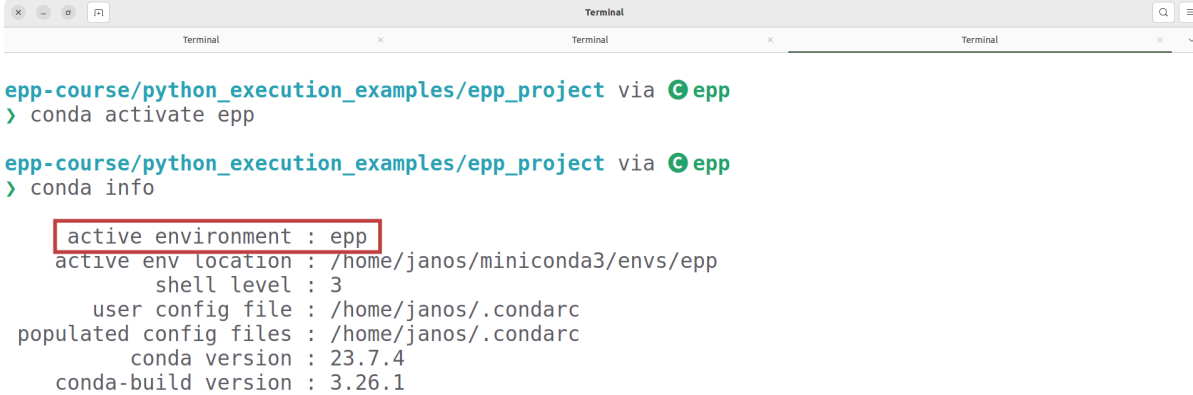
### **Executing ".py"-files from the shell**

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

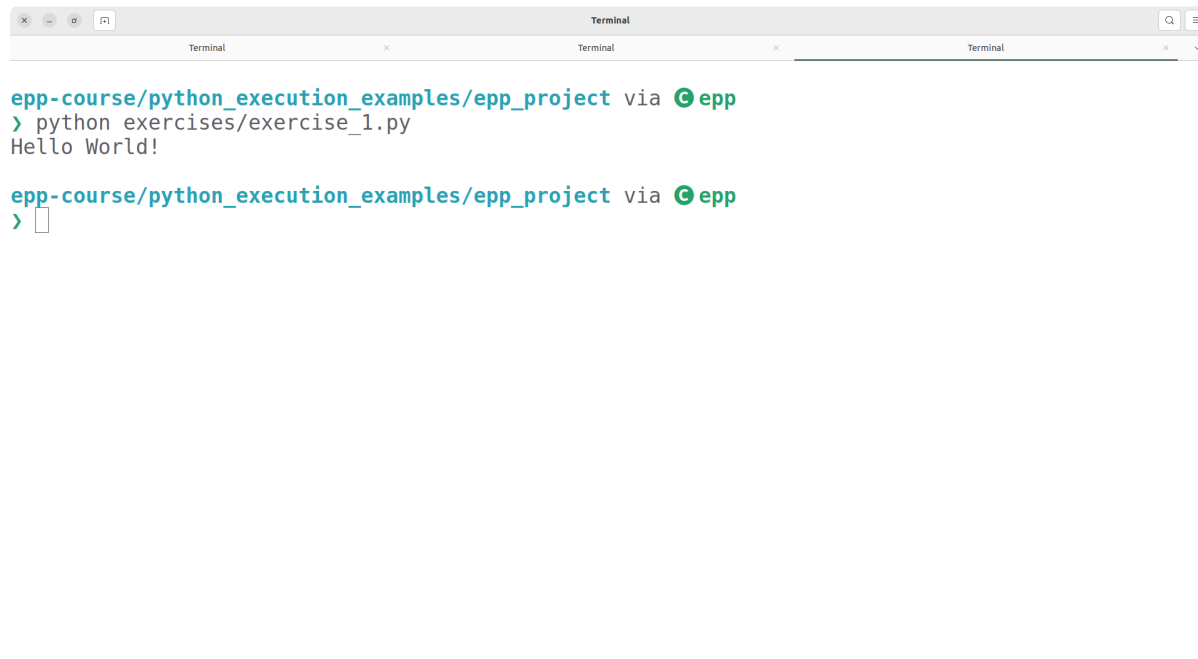
active environment : epp
active env location : /home/janos/miniconda3/envs/epp
shell level : 3
user config file : /home/janos/.condarc
populated config files : /home/janos/.condarc
conda version : 23.7.4
conda-build version : 3.26.1
python version : 3.9.18.final.0
virtual packages : __archspec=1=x86_64
                  __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, maximize, and zoom buttons on the left, and search and window management buttons on the right. The background of the terminal is white, and the text is in a monospaced font.

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

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