

Effective Programming Practices for Economists

Basic Python

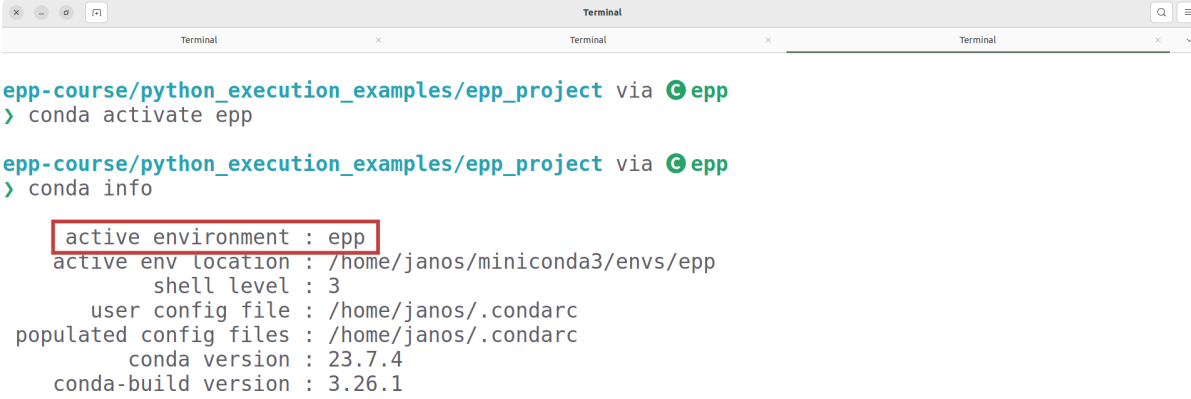
Executing ".py"-files from the shell

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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

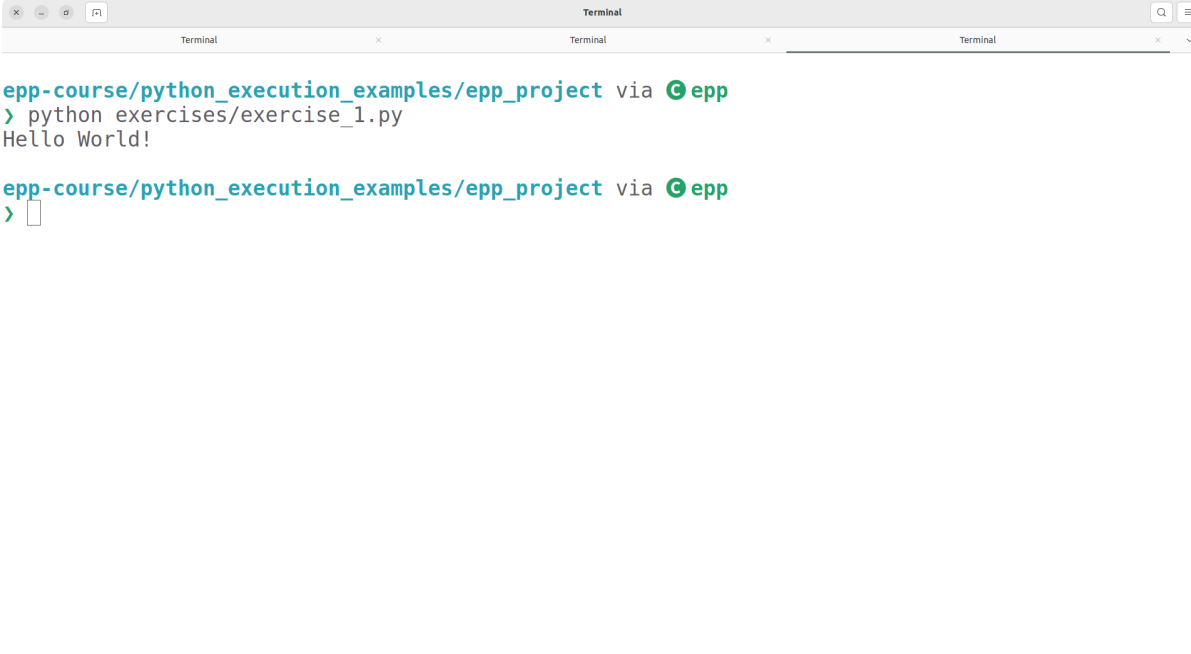
  base environment  : /home/janos/miniconda3 (writable)
  conda av data dir  : /home/janos/miniconda3/etc/conda
  conda av metadata url : None
  channel URLs       : https://conda.anaconda.org/conda-forge/linux-64
                      https://conda.anaconda.org/conda-forge/noarch
```

Example Project Structure



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

1: Execute

A screenshot of a terminal window with three tabs, each labeled 'Terminal'. The active tab shows the following text:

```
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  
> 
```

 The prompt character is a green circle with a white 'G' and the text 'epp' in green. The output 'Hello World!' is displayed on the line following the command. The prompt is followed by a white cursor on a black background.

```
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  
> 
```