

# **Effective Programming Practices for Economists**

## **Basic Python**

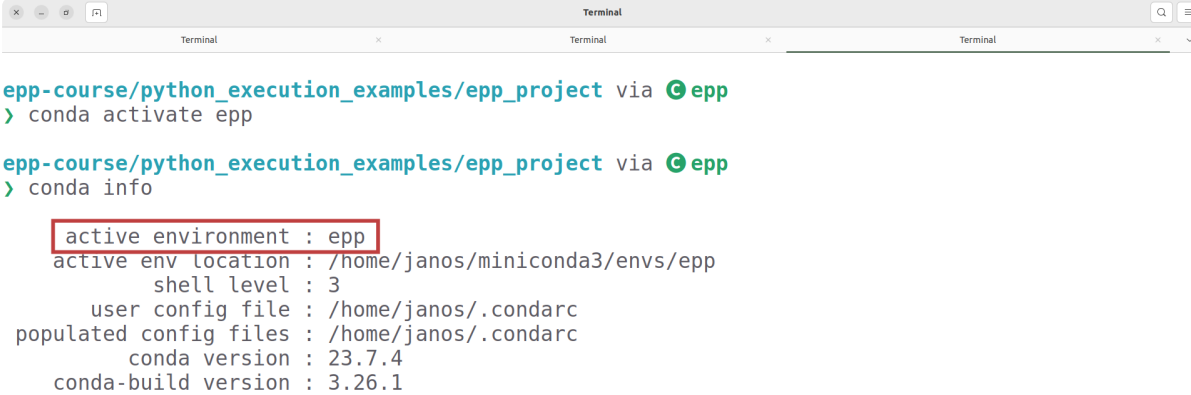
### **Executing ".py"-files from the shell**

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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

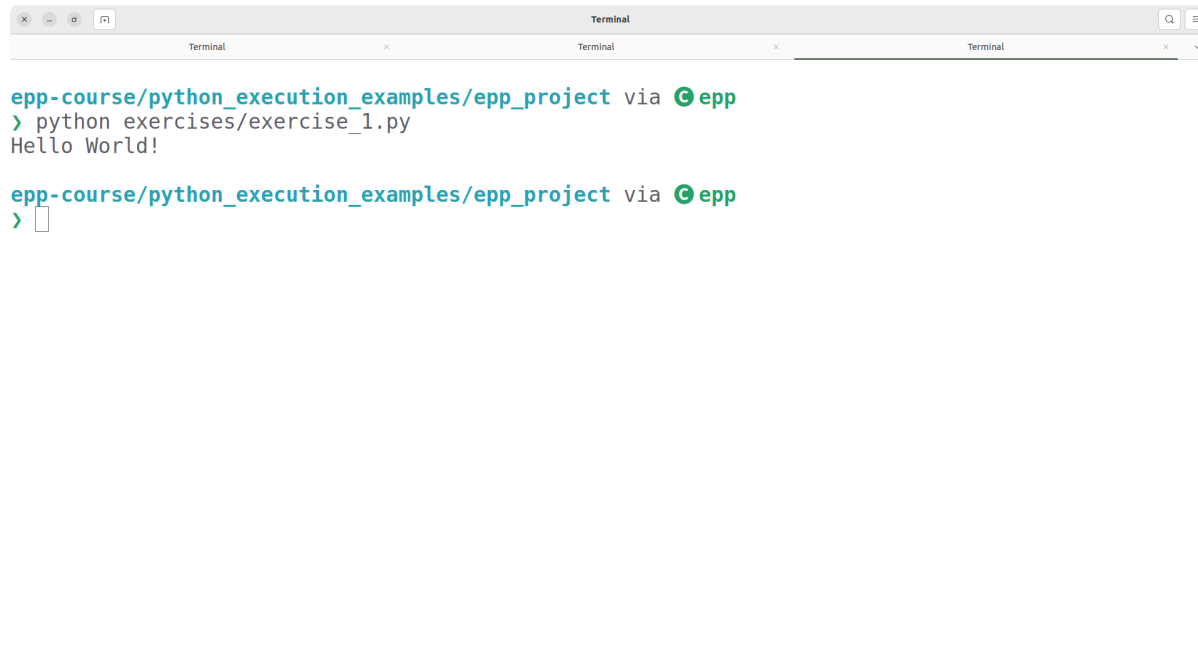
  active environment : epp
    active env location : /home/janos/miniconda3/envs/epp
      shell level      : 3
    user config file   : /home/janos/.condarc
  populated config files : /home/janos/.condarc
      conda version    : 23.7.4
    conda-build version : 3.26.1
      python version   : 3.9.18.final.0
    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 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" via a shell named "epp", followed by a prompt ">" and the command "python exercises/exercise\_1.py". The output of the command is "Hello World!". The second line shows the same directory and shell, with a prompt ">" and a cursor, indicating the user is ready to enter another command.

```
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  
> 
```