

Installing Python, Pip, and Jupyter Notebooks

Installing Python

Download and run the Python installer for your operating system:

<https://www.python.org/downloads/>

Windows:

Click “Customize Installation” and make sure that all boxes are checked.

On the “Advanced Options” screen, check “Add Python to environment variables”

Macs:

Install with default settings.

You may need to use “python3” and “pip3” when running Python and pip from the terminal.

Opening the Terminal

Windows:

Open the command prompt opening the Windows search and searching for “Command Prompt”

Macs:

Open the terminal by going to Applications → Utilities → Terminal

Verifying your Python and Pip Installation

In the terminal or command prompt, type the command: `python` (or `python3`, on Macs) and hit the “enter” or “return” key.

Verify that you have the version of Python that you installed at

<https://www.python.org/downloads/> by typing `python --version`

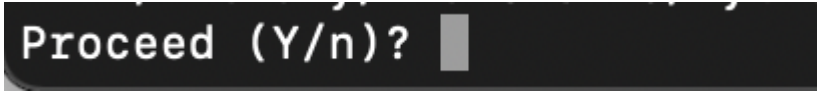
If you do not get the correct version, try typing `python3 --version`

In the terminal type `pip` or `pip3` as needed and hit the “enter” or “return” key. You should see a long list of options and commands for pip.

Installing Jupyter Notebook

In the terminal or command prompt, type `pip install jupyterlab` (or `pip3 install jupyterlab`)

If you prompted in the terminal by something like this:

A screenshot of a terminal window with a dark background. The text 'Proceed (Y/n)?' is displayed in a light-colored font, followed by a small grey rectangular cursor.

then type “Y” and hit “enter” or “return” to continue the installation

Running Jupyter Notebook

Open the terminal or command prompt by following the instructions above.

Use the `cd` (“change directory”) command to navigate to where the files are stored on your computer by typing “`cd`” followed by the location of the exercise files on your computer.

For example, if you are on a Windows computer and the files are on your Desktop, you might use a command like:

```
cd C:\Users\YourName\Desktop\exercise_files
```

If you’re on a Mac and you’ve used GitHub to get the files, you might use a command like:

```
cd /Users/YourName/Documents/GitHub/python-essential-training-2449125
```

Tip: Use the “tab” key to auto-complete filenames as you type them in the terminal or command prompt.

Once you are at the location of the exercise files, run the command:

```
jupyter lab
```


The notebook files should open in your web browser.


Troubleshooting


There are four main resources available to you for troubleshooting installation problems


- An ongoing collection of help and troubleshooting for this course is here:
<https://github.com/LinkedInLearning/python-ET-4314028/wiki/Troubleshooting>
- Comprehensive Python troubleshooting guides for installing Python and packages
 - <https://docs.python.org/3/using/windows.html>
 - <https://packaging.python.org/en/latest/tutorials/installing-packages/>

- Look at the Q&A section of Python Essential training to see if your question has been asked and answered before. If it has not, ask a new question

 Overview

 Q&A

 Notebook

 Transcript

Ask here to share with learners, experts and others

Ask

- Use Google to search for the error message or problem you're having. The odds are very good that a solution can be found on StackOverflow, official Python documentation, or many other sources of online help!