

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`

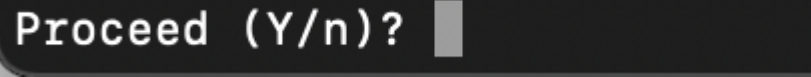
If you do not get the correct version, try typing `python3 --version`

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 notebook` (or `pip3 install notebook`)

If you prompted in the terminal by something like this:



```
Proceed (Y/n)?
```

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 notebook
```


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-essential-training-2449125/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!