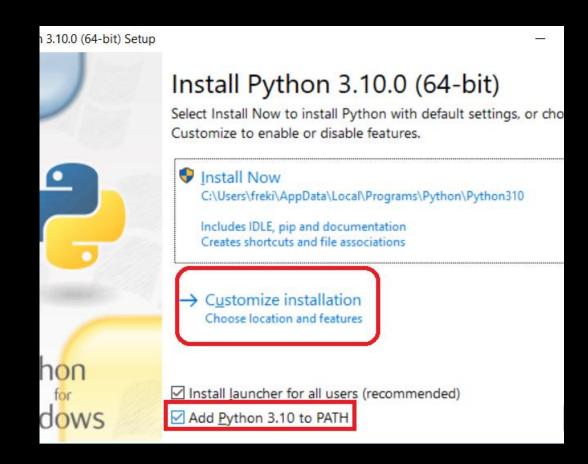


Installation Guide for MA321

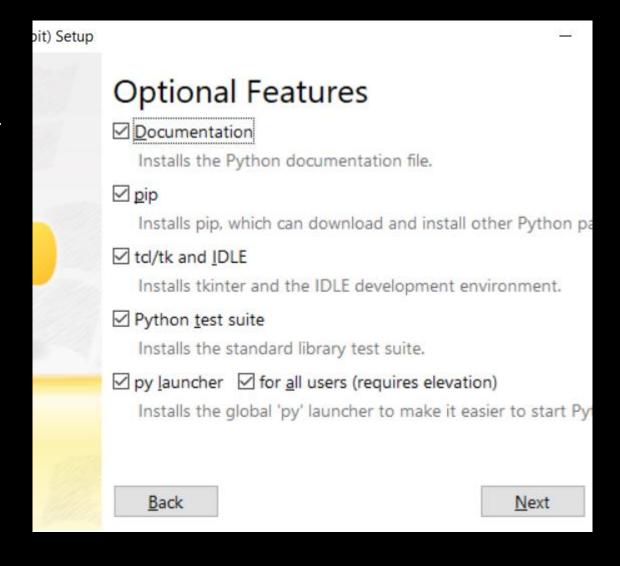
Last updated in October 2021

- Go to https://www.python.org/downloads/
- Download and run the installer for the newest Python (current version 3.10.0)*
- Make sure you check the option Add Python to PATH
- 4. Proceed with **Customize installation**

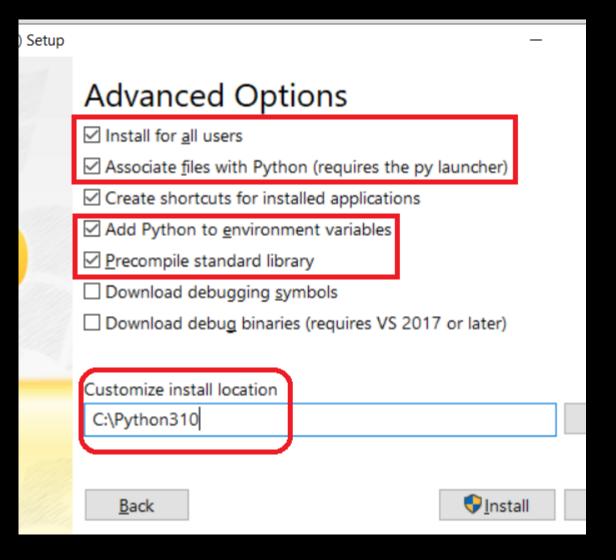
*Note that the installer for macOS is different from Windows



5. Proceed with all options checked under Optional Features



- 6. Under Advanced Options, make sure the following options are checked:
 - Install for all users
 - Associate files with Python
 - Add Python to environment variables
 - Precompile standard library
- 7. You may customize the install location
- 8. Click on the **Install** button



- Click on Disable path length limit if you see this option
- 10. You need to allow installer to make changes to your device in the installation process

Setup

Setup was successful

New to Python? Start with the online tutorial and documentation. At your terminal, type "py" to launch Python, or search for Python in your Start menu.

See what's new in this release, or find more info about using Python on Windows.



Disable path length limit

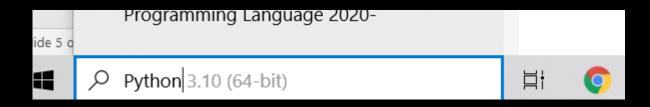
Changes your machine configuration to allow programs, including Pytho bypass the 260 character "MAX_PATH" limitation.

Verify Python has been installed

Type Python in the search box next to the window icon at the bottom left corner, you should be able to see the Python 3.10 App, including

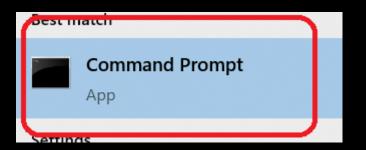
- IDLE
- Manuals
- Module Docs





Install Jupyter Notebook

- 1. Type Command Prompt in the search box next to the window icon and run the app
- 2. In the command prompt window, type pip install notebook, then press Enter





Command Prompt - pip install notebook

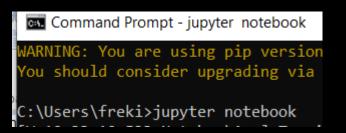
Microsoft Windows [Version 10.0.19043.1288]

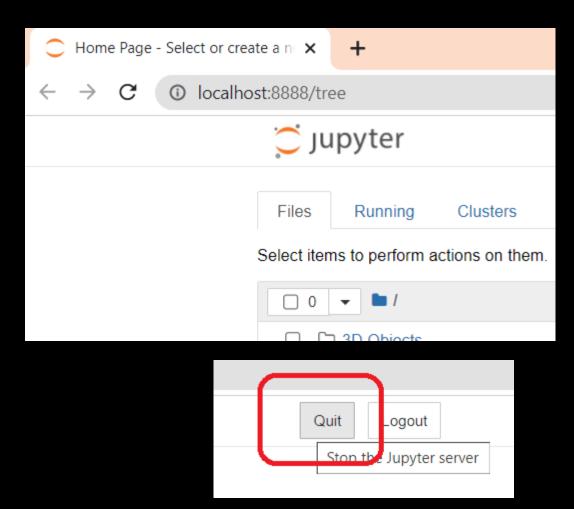
(c) Microsoft Corporation. All rights reserved.

C:\Users\freki>pip install notebook

Run Jupyter Notebook

- Open and stay in command prompt window
- 2. Type **jupyter notebook**, then press **Enter**
- 3. You should be able to see A jupyter page opened in your default browser
- 4. Now you may create .ipynb file for coding with python (refer to next slide for details)
- 5. To close jupyter notebook, click on the Quit button on the top right corner, then close the browser and the command prompt window





Create a File for Coding

- In the browser with jupyter notebook open, click on the drop-down list button New on the top right corner, then select Python 3
- 2. Now you may code on the notebook page opened in the browser, the file type will be .ipynb

