Installing Anaconda & launching Jupyter Notebook

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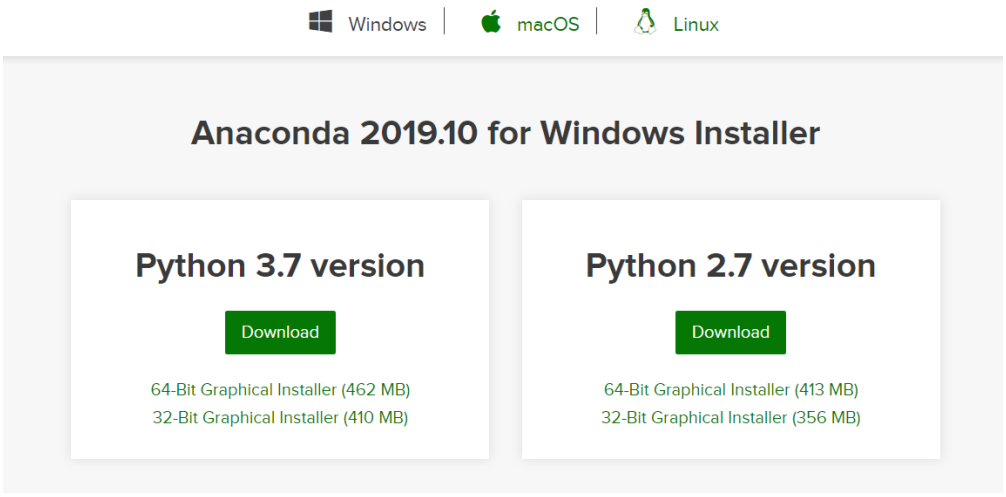
We will use Anaconda, a common Python distribution bundled with other popular tools.

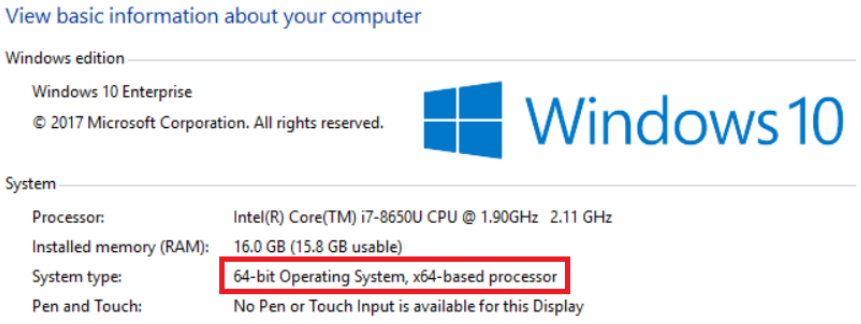
1 Download

Go to the Anaconda download page at https://www.anaconda.com/distribution/



Download the installer that matches your operating system (Windows, macOS, or Linux). Very specifically, download the Graphical Installer for the **Python 3.7 version**.

For **Windows**, if you are not sure whether it's 64-Bit (most common) or 32-Bit, go to the search bar (the magnifying class icon in the lower left corner), type *this PC*, right-click the top search result, and click **Properties**. The new window will give you the information.



2 Install

Windows/MacOS users: Double-click the downloaded file to start the installation. Use all of the defaults for installation except make sure to check *Make Anaconda the default Python*.

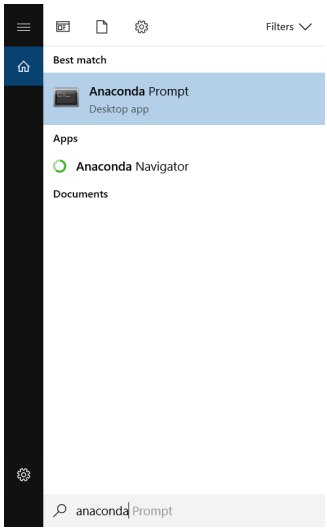
Linux users:

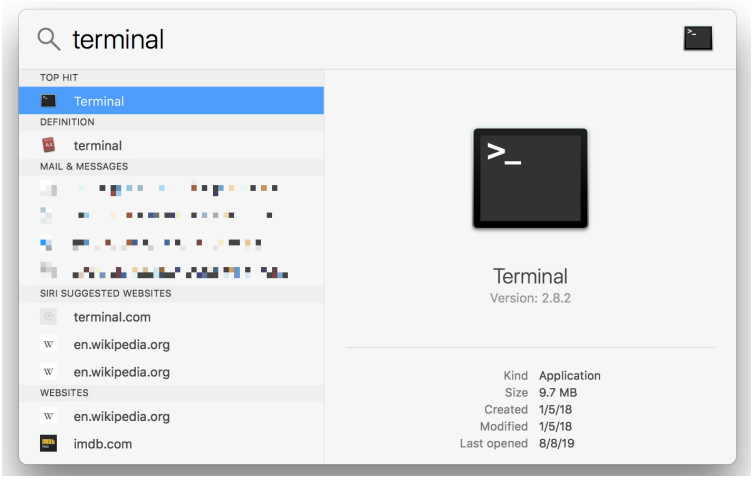
- Open a terminal window.
- Type *bash Anaconda-* and then press tab. The name of the file you just downloaded should appear. Press ENTER.
- You will follow the text-only prompts. When there is a colon at the bottom of the screen, press the down arrow to move down through the text. Type *yes* and press ENTER to approve the license. Press ENTER to approve the default location for the files. Type *yes* and press ENTER to add Anaconda to your PATH (this makes the Anaconda distribution the default Python).

3 Launch Jupyter Notebook

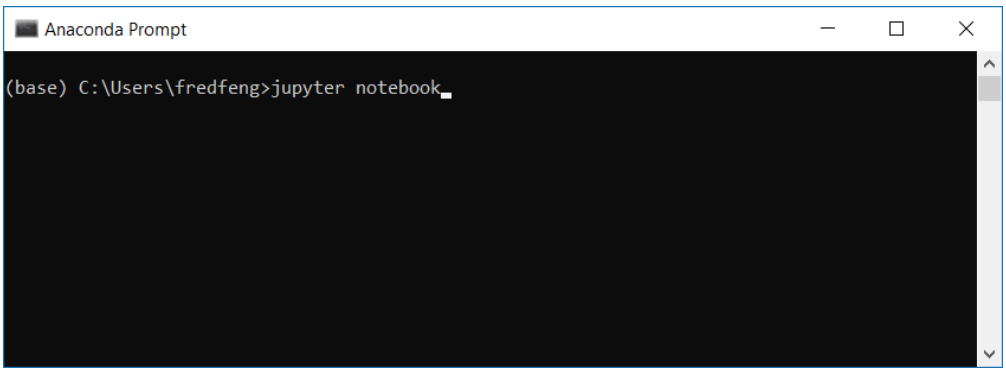
First, you will need to launch your operating system's command-line interface.

- On Windows, go to the search bar, type in *Anaconda Prompt*, and press ENTER.
- On MacOS, go to the Spotlight Search (the magnifying class icon in the upper right corner), type *Terminal*, and press ENTER.

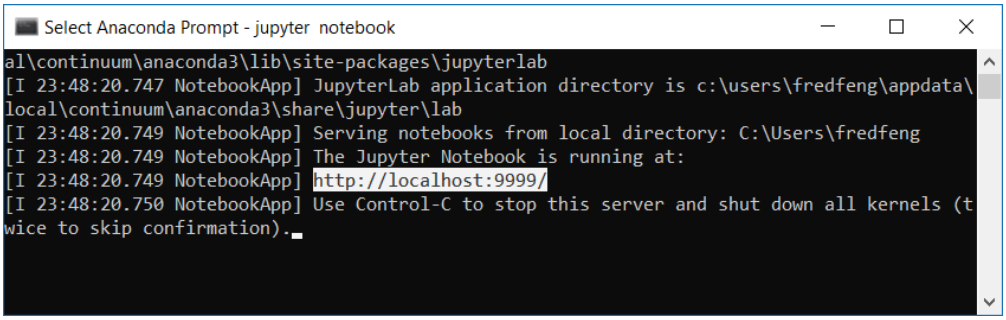




Then, type *jupyter notebook* in the prompt (Windows) or terminal (MacOS), and press ENTER.



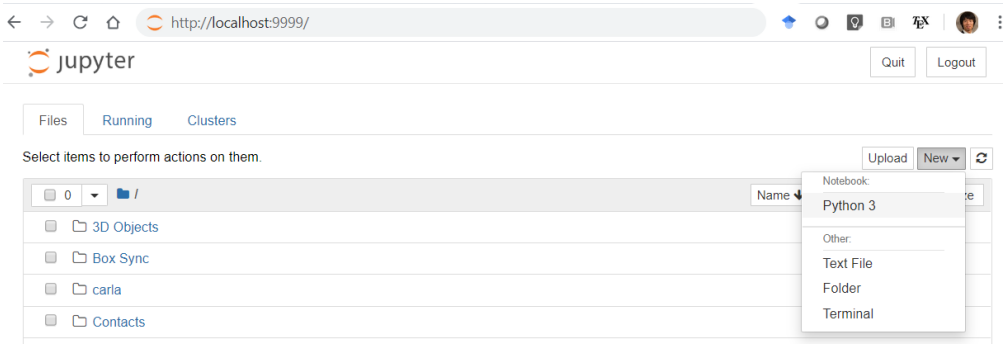
Then, you should see something like



Copy the URL, it should look something like *http://localhost:9999/*

Open your web browser (Google Chrome recommended), paste the URL to the address bar, and press ENTER.

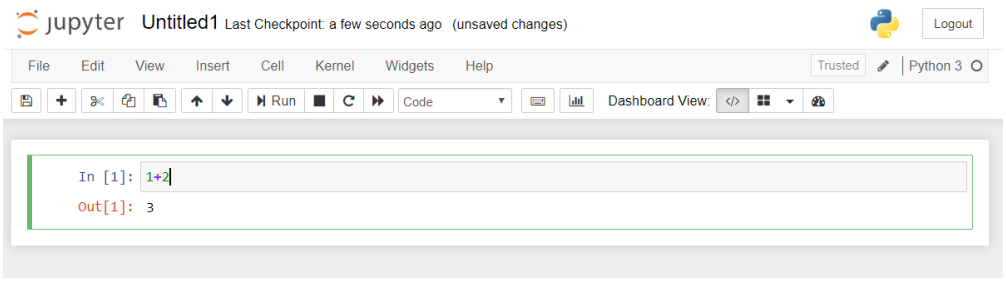
Now you should see the Jupter Notebook dashboard (see the image below). You can navigate the directory to a preferred local folder, and then create a new notebook file by clicking the **New** dropdown button (in the upper right corner), and then **Python 3**.



The newly-created Jupyter notebook should look something like the image below.

Try using Python as a calculator by typing *1+2* in the cell, and click the **Run** button on the tool bar.

If everything's working, you should see the mind-numbingly obvious result of 3. Congrats!



4 Further Readings

- The (Official) Introduction to Jupyter Notebook
- The Scientific Paper Is Obsolete - Here's what's next (in case you want to hear the backstory of the Jupyter Notebook)