

## Installing Python

In this guide, we will check if python is installed on your system and if it is not, we will install it. We will also install a text editor that provides functionality in writing Python code.

### MAC OS X

Python comes preinstalled on most OS X systems and we need only check to ensure it is present.

Open a terminal window by going to **Applications > Utilities > Terminal**. You can also press command-spacebar, type 'terminal', and then press enter. To find out whether Python is installed, enter 'python' with a lowercase p. You should see output telling you which version of Python is installed on your system and a >>> prompt where you can start entering Python commands, like this:

```
WARNING: Python 2.7 is not recommended.
This version is included in macOS for compatibility with legacy software.
Future versions of macOS will not include Python 2.7.
Instead, it is recommended that you transition to using 'python3' from within Terminal.

Python 2.7.16 (default, Apr 17 2020, 18:29:03)
[GCC 4.2.1 Compatible Apple LLVM 11.0.3 (clang-1103.0.29.20) (-macos10.15-objc- on darwin
Type "help", "copyright", "credits" or "license" for more information.
>>> █
```

If you see the >>> prompt above, then Python is installed, and you can proceed to the text editor page below.

If you do not see Python installed, visit the following webpage

<https://www.python.org/downloads/release/python-395/> and download the “macOS 64-bit Intel installer” as shown below.

Full Changelog

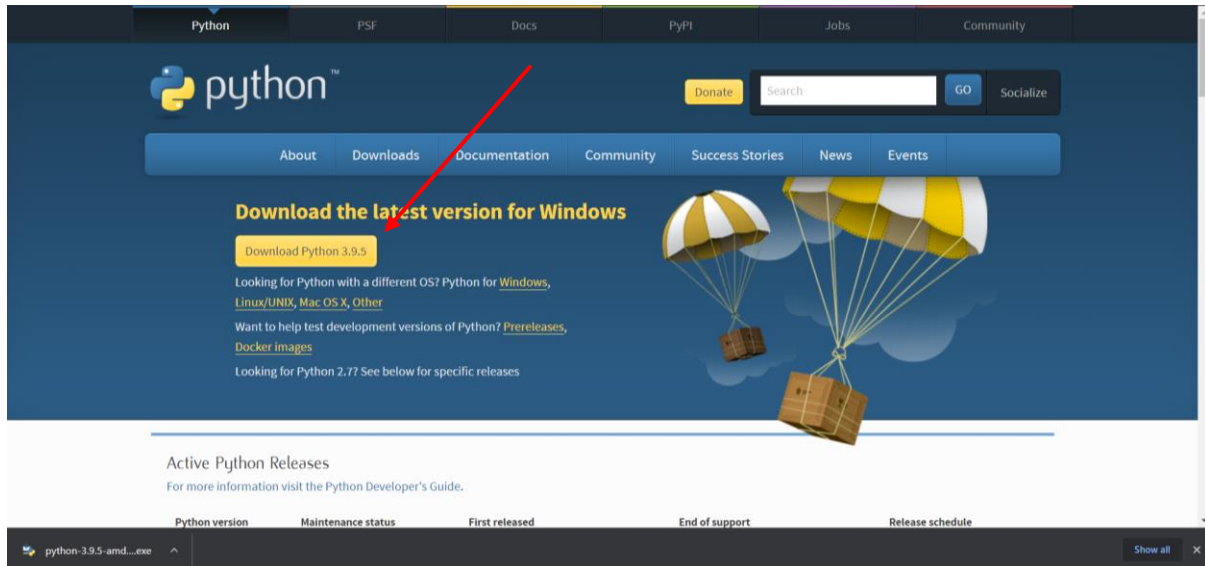
### Files

Version	Operating System	Description	MD5 Sum	File Size	GPG
Gzipped source tarball	Source release		364158b3113cf8ac8db7868ce40ebc7b	25627989	SIG
XZ compressed source tarball	Source release		71f7ada6bec9c9dbf4538adc326120cfd	19058600	SIG
macOS 64-bit Intel installer	Mac OS X	for macOS 10.9 and later	870e851eef2c6712239e0b97ea5bf407	29933848	SIG
macOS 64-bit universal2 installer	Mac OS X	for macOS 10.9 and later, including macOS 11 Big Sur on Apple Silicon	59aedbc04df8ee0547d3042270e9aa57	37732597	SIG
Windows embeddable package (32-bit)	Windows		cac28418ae39704743fa790d404e6bb	7594314	SIG
Windows embeddable package (64-bit)	Windows		0b3a4a9ae9d319885eade3ac5aca7d17	8427568	SIG
Windows help file	Windows		b311674bd26a602011d8baea2381df9e	8867595	SIG
Windows installer (32-bit)	Windows		b29b19a94bbe498808e5e12c51625dd8	27281416	SIG
Windows installer (64-bit)	Windows	Recommended	53a354a15baed952ea9519a7f4d87c3f	28377264	SIG

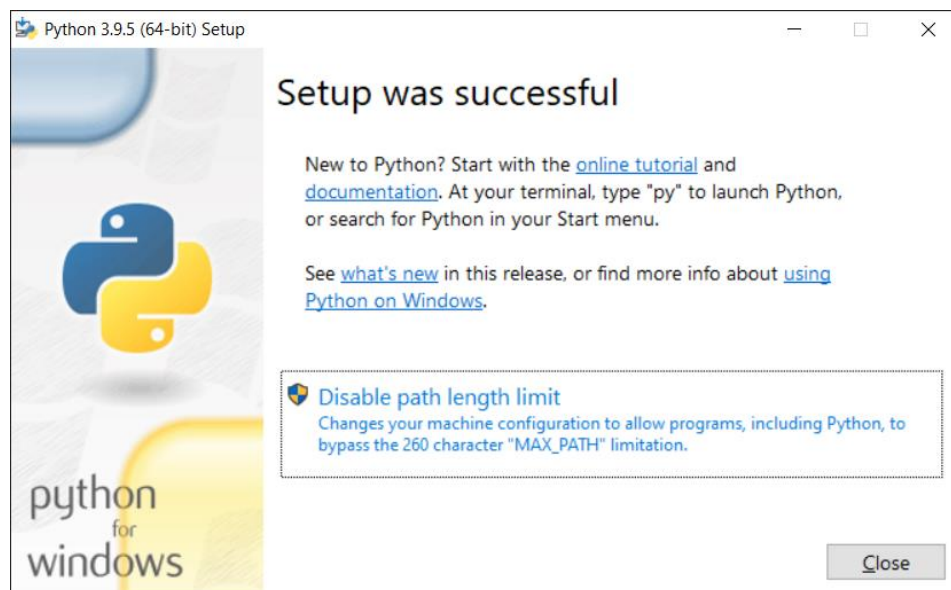
Once downloaded, run the installed and follow the steps. Selecting “Install Now” and waiting for the installation to complete, until you see “setup was successful”.

## Windows

Visit the webpage <https://www.python.org/downloads/> where we will download the latest version of Python 3 for your operating system as shown. The link shown below should download the correct Python installer for your operating system.

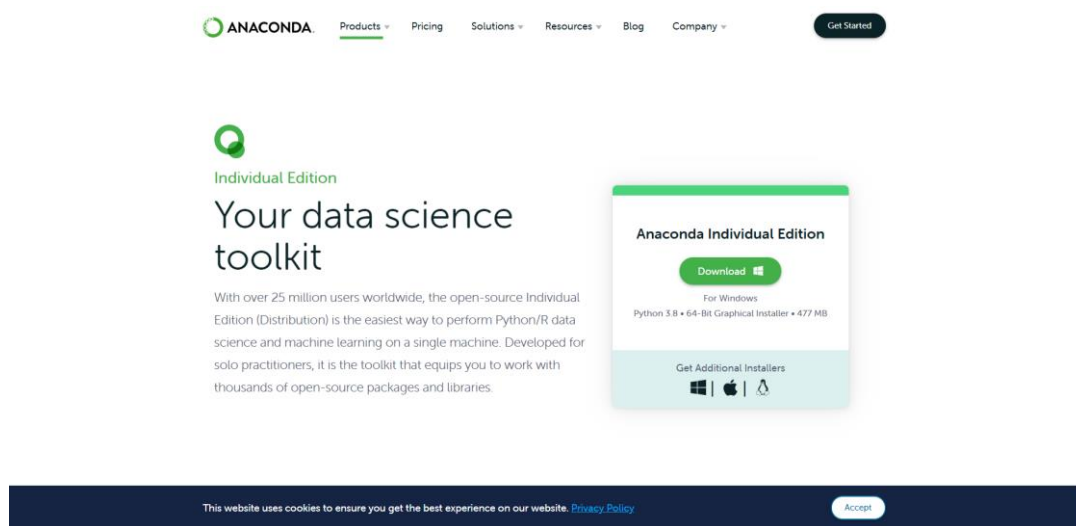


Once downloaded, run the installed and follow the steps. Selecting “Install Now” and waiting for the installation to complete. You should see the following window and now Python is setup on your system

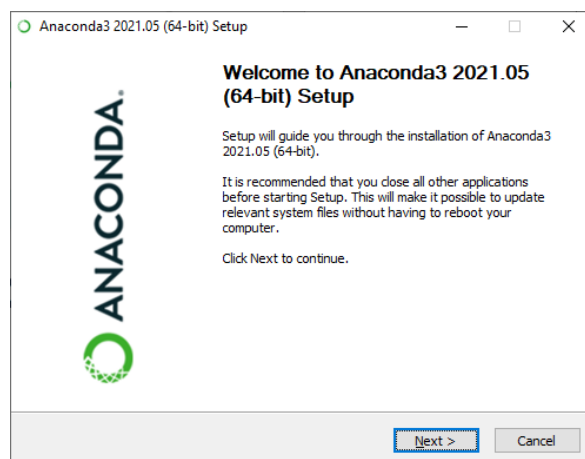


## Text Editor

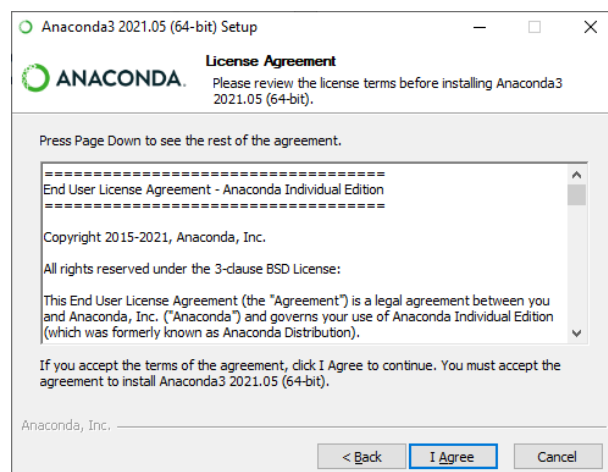
I recommend the Spyder text editor that can be accessed from the Anaconda package. we can download Anaconda from the following page <https://www.anaconda.com/products/individual>. Simply click “download” for the correct version of your operating system which should be presented to you. The instructions should be identical for both Windows and Mac OS operating systems.



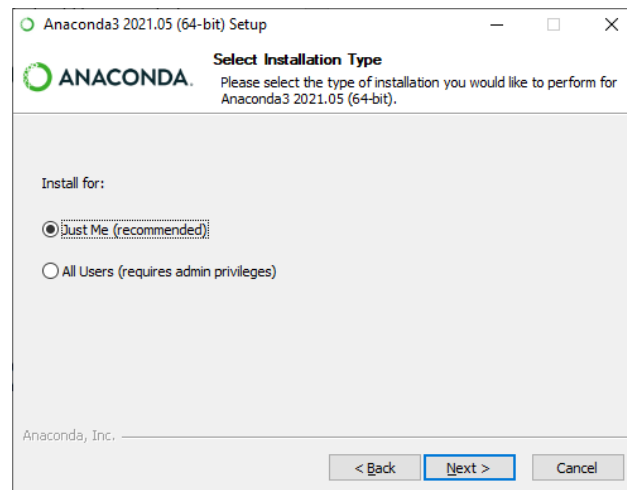
Simply follow through the installer by clicking “next”.



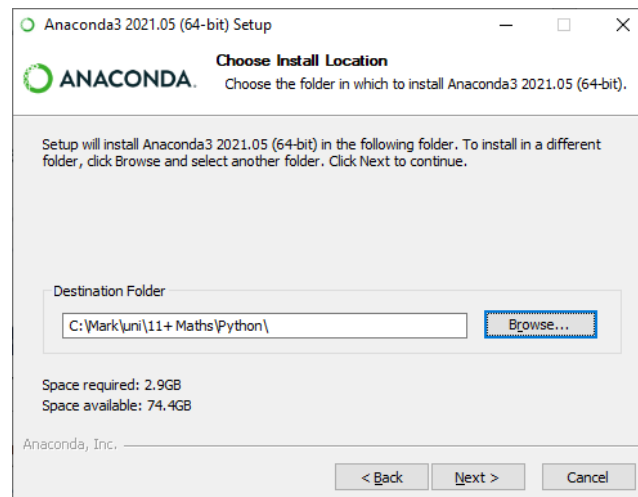
Click “I Agree”.



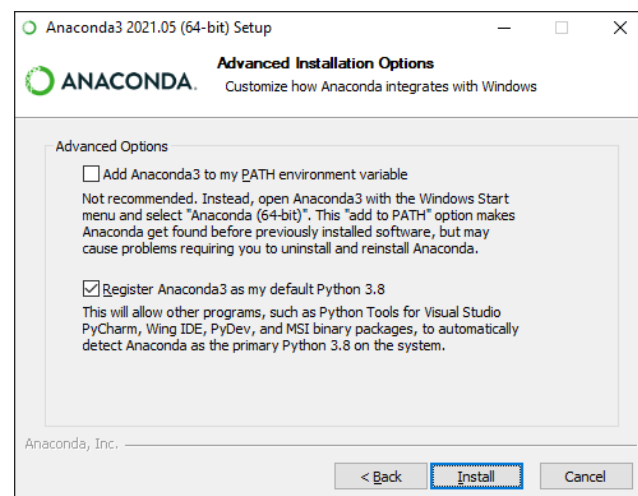
Click “Next”.



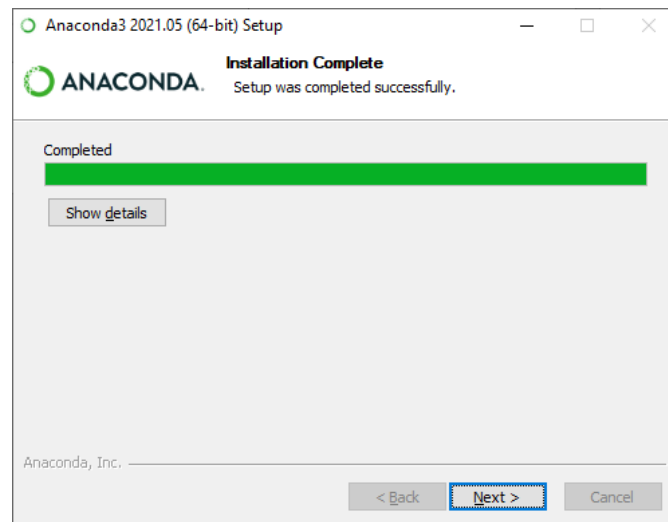
Click “Next” and choose an appropriate file location. Note that you must have sufficient space on your computer to install.



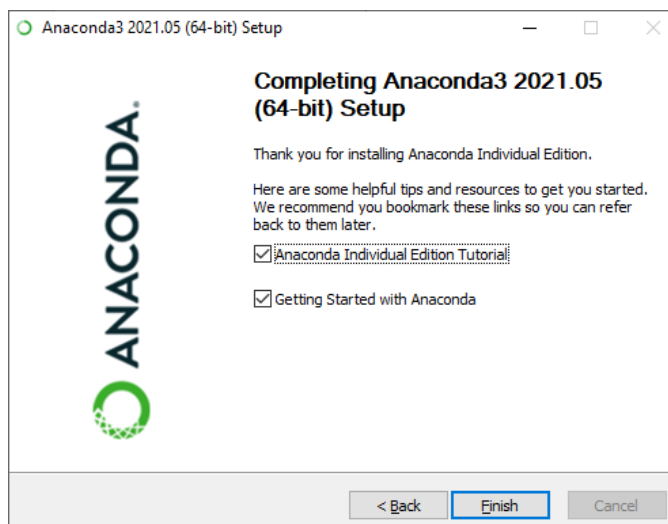
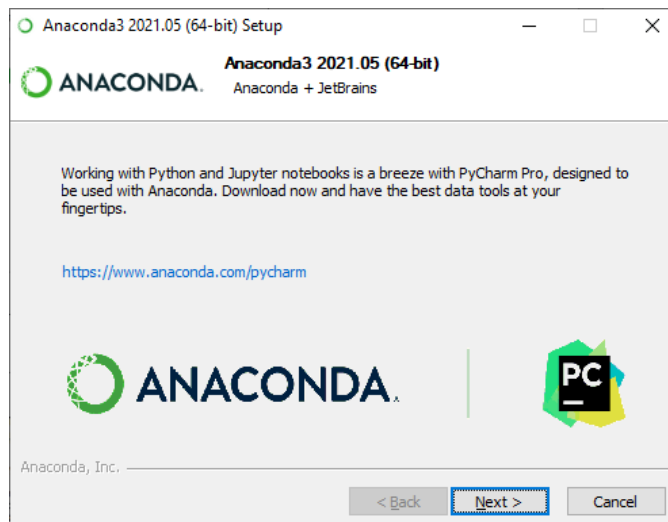
Make sure “Register Anaconda3 as my default Python 3.8” is selected and click Install.



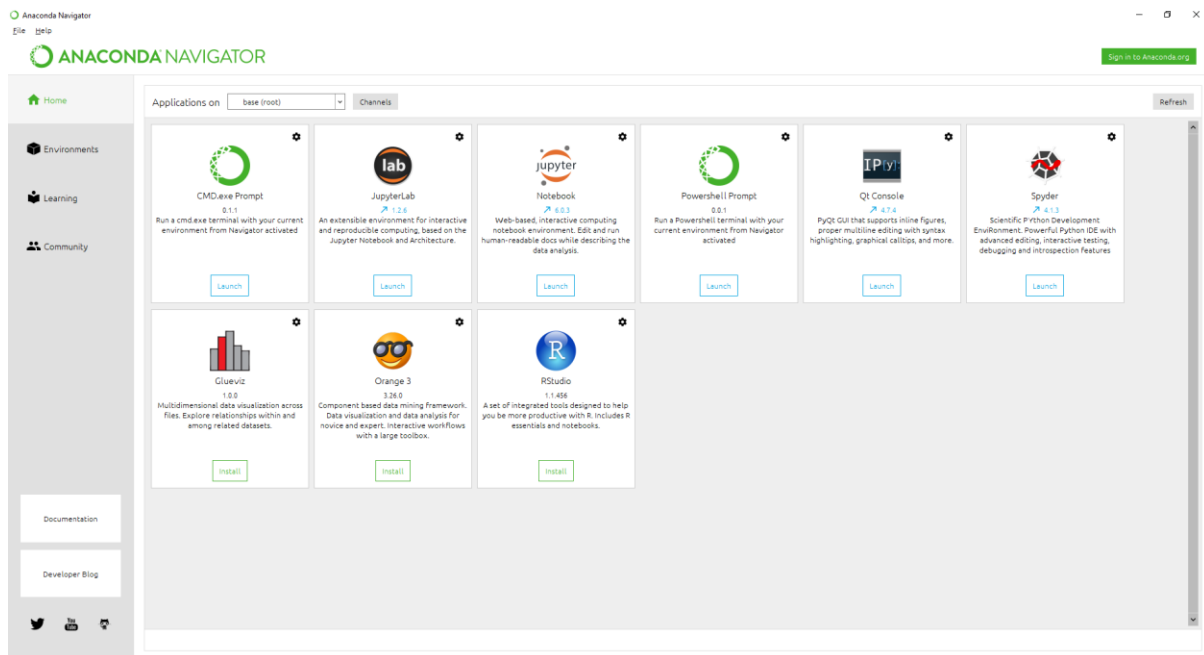
The following should appear after the installation completes



Click "Next" and finally "Finish"



When opened, the Anaconda package should appear as below. Click “Launch” on the text editor Spyder



The text editor should appear as below, and we have completed the installation.

