

# Installing Anaconda Distribution and Running Jupyter Notebook for a Python Development Environment

## A. Installing Anaconda Python Distribution

**STEP 1:** Go to this link, <https://www.anaconda.com/distribution/#download-section>, and then click on the “Window” icon.

The screenshot shows the Anaconda Distribution website. At the top, there's a green banner with the text "Anaconda Distribution" and "The World's Most Popular Python/R Data Science Platform" with a "Download" button. Below this, a paragraph describes the platform, followed by a list of features and a grid of logos for various data science libraries. At the bottom, there are three tabs for "Windows", "macOS", and "Linux". The "Windows" tab is selected and circled in red. Below the tabs, the heading "Anaconda 2019.07 for Windows Installer" is displayed. Under this heading, there are two boxes: "Python 3.7 version" and "Python 2.7 version". Each box has a "Download" button. In the "Python 3.7 version" box, the "64-Bit Graphical Installer (486 MB)" link is circled in red. Below it, the "32-Bit Graphical Installer (418 MB)" link is also visible. The "Python 2.7 version" box shows links for "64-Bit Graphical Installer (427 MB)" and "32-Bit Graphical Installer (361 MB)".

**Anaconda Distribution**

The World's Most Popular Python/R Data Science Platform [Download](#)

The open-source Anaconda Distribution is the easiest way to perform Python/R data science and machine learning on Linux, Windows, and Mac OS X. With over 15 million users worldwide, it is the industry standard for developing, testing, and training on a single machine, enabling individual data scientists to:

- Quickly download 1,500+ Python/R data science packages
- Manage libraries, dependencies, and environments with Conda
- Develop and train machine learning and deep learning models with scikit-learn, TensorFlow, and Theano
- Analyze data with scalability and performance with Dask, NumPy, pandas, and Numba
- Visualize results with Matplotlib, Bokeh, Databricks, and HoloViews

[jupyter](#) [spyder](#) [NumPy](#) [SciPy](#) [Numba](#)

[pandas](#) [DASK](#) [Bokeh](#) [HoloViews](#) [Datashader](#)

[matplotlib](#) [learn](#) [H2O.ai](#) [TensorFlow](#) [CONDA](#)

[Windows](#) | [macOS](#) | [Linux](#)

**Anaconda 2019.07 for Windows Installer**

**Python 3.7 version**

[Download](#)

[64-Bit Graphical Installer \(486 MB\)](#)

[32-Bit Graphical Installer \(418 MB\)](#)

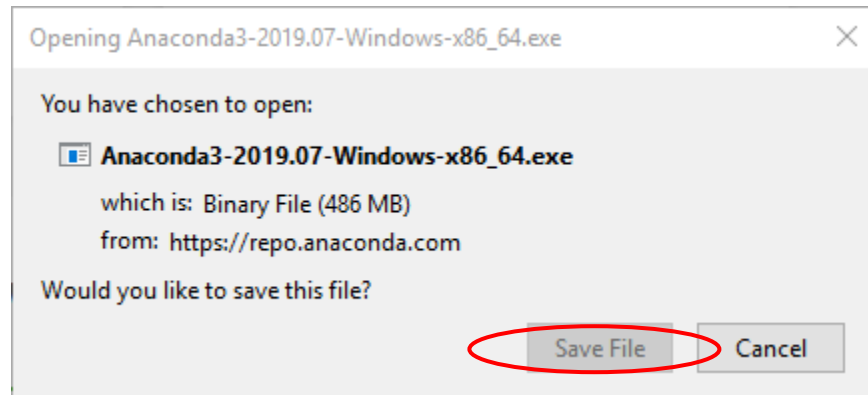
**Python 2.7 version**

[Download](#)

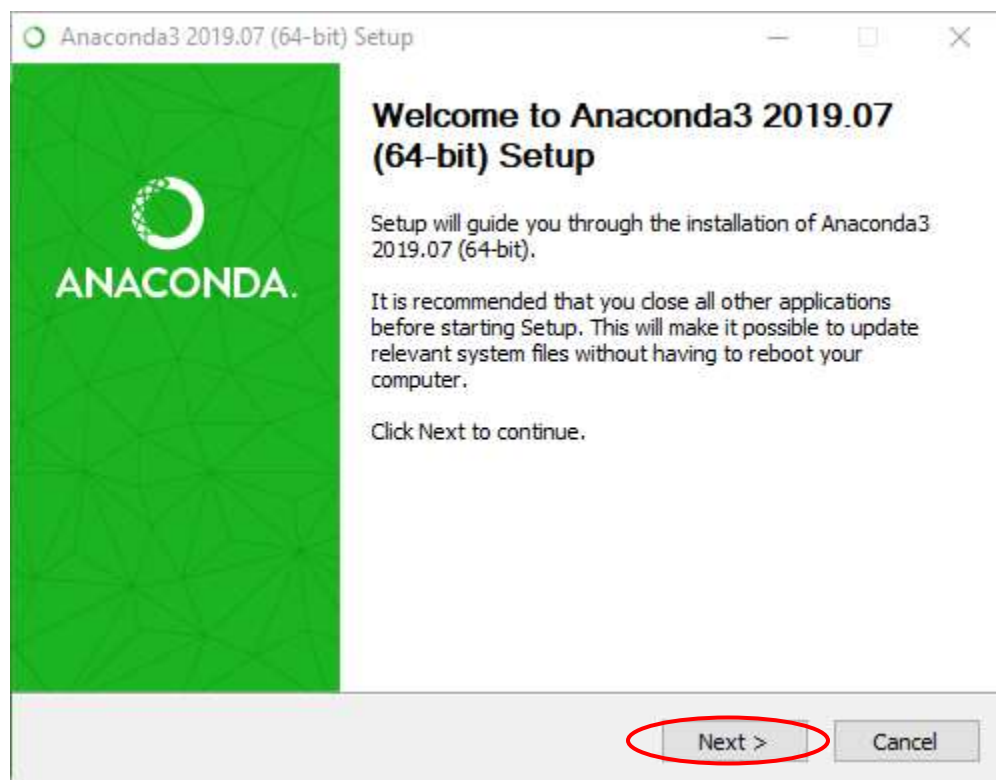
[64-Bit Graphical Installer \(427 MB\)](#)

[32-Bit Graphical Installer \(361 MB\)](#)

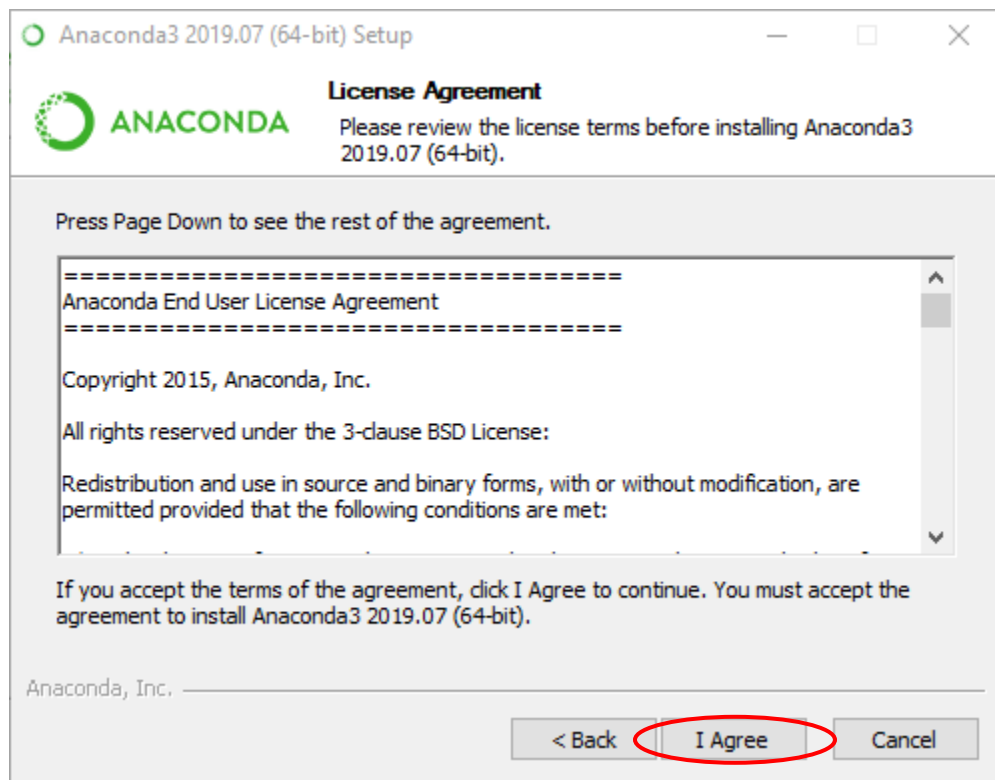
**STEP 2:** Click on the “**64-Bit Graphical Installer**” link and then the “**Save File**” button.



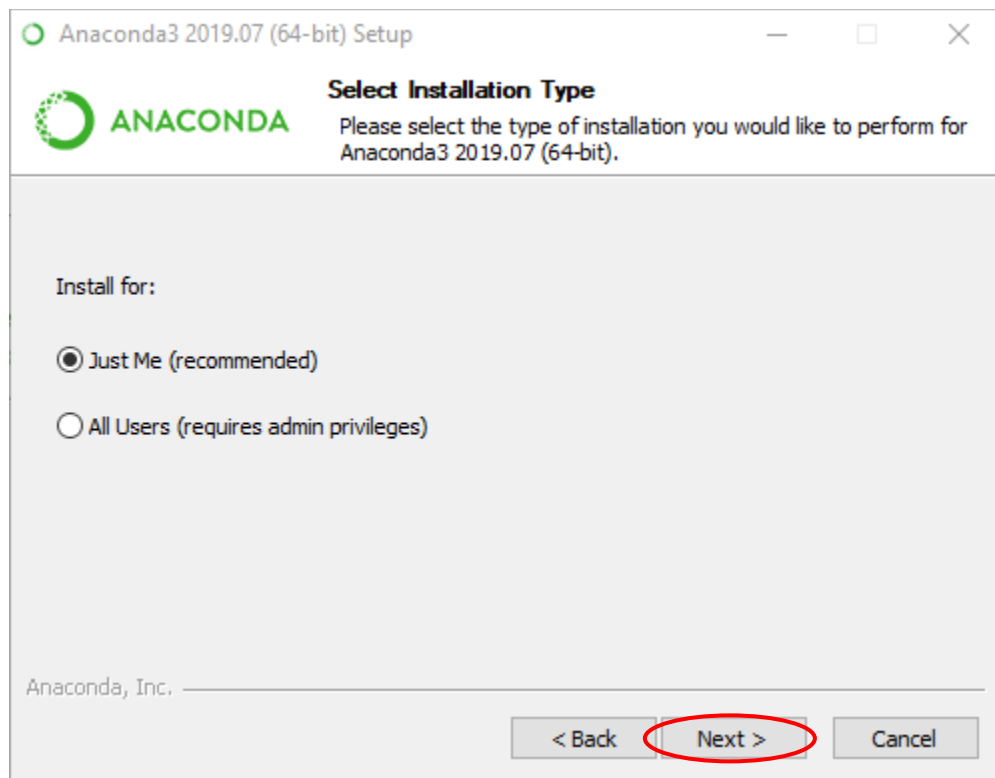
**STEP 3:** Search the above file where it is located in your directory, and then double-click on this file. After that, click on the “**Next**” button below.



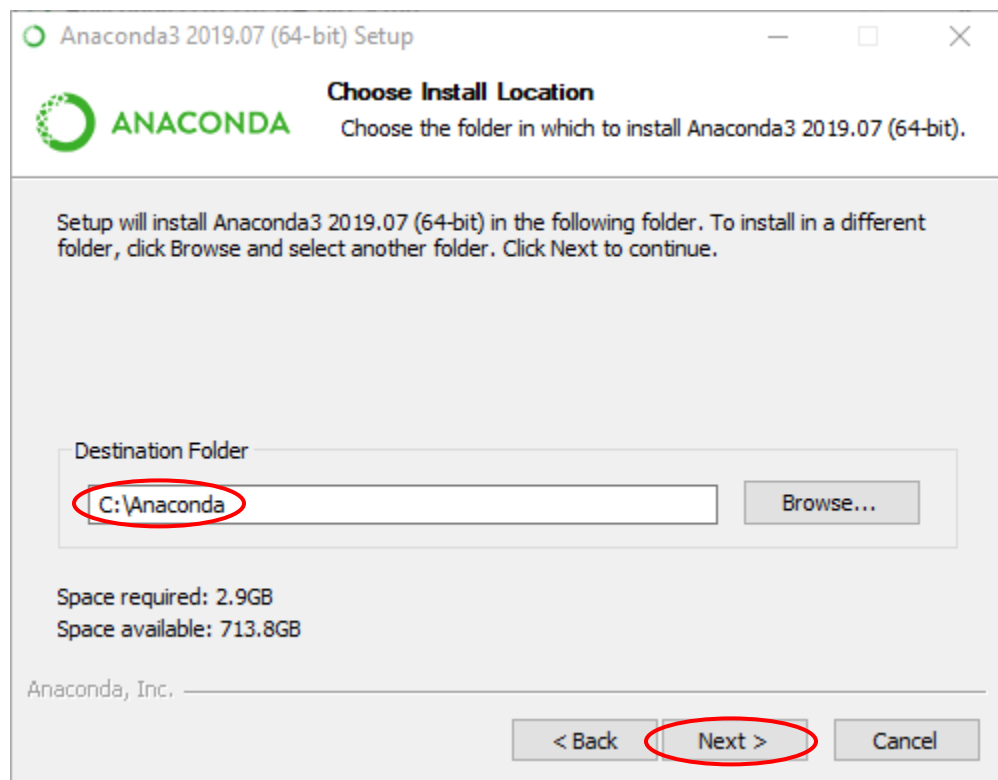
**STEP 4:** Click on the “**I Agree**” button below after you read the license agreement.



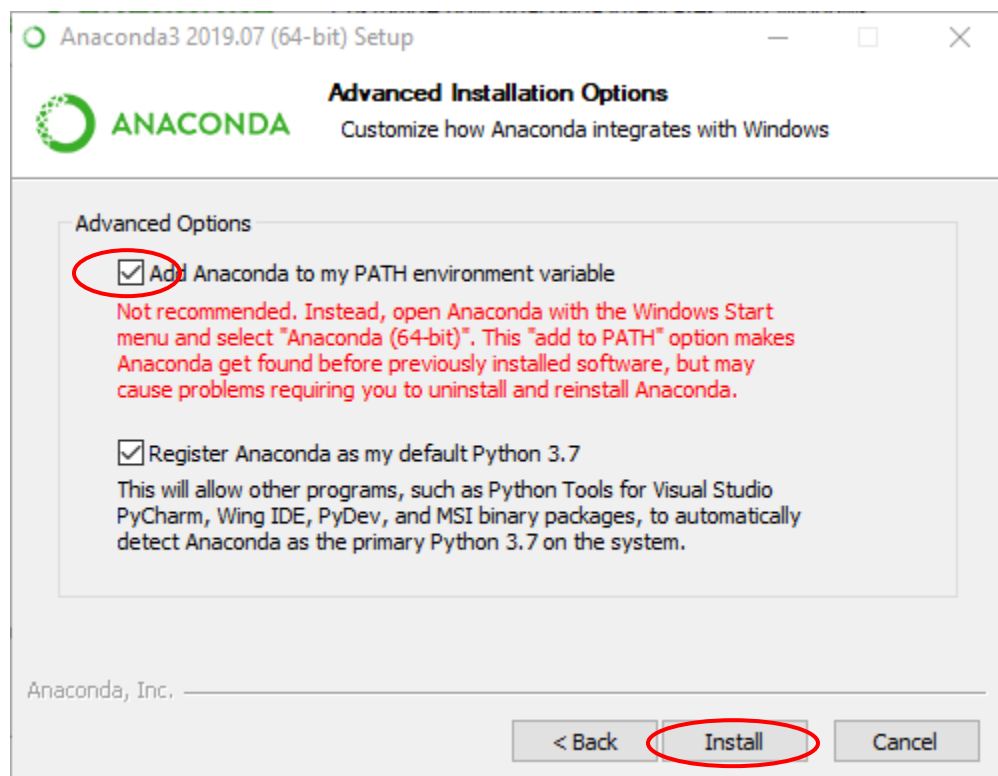
**STEP 5:** Click on the “**Next**” button below.



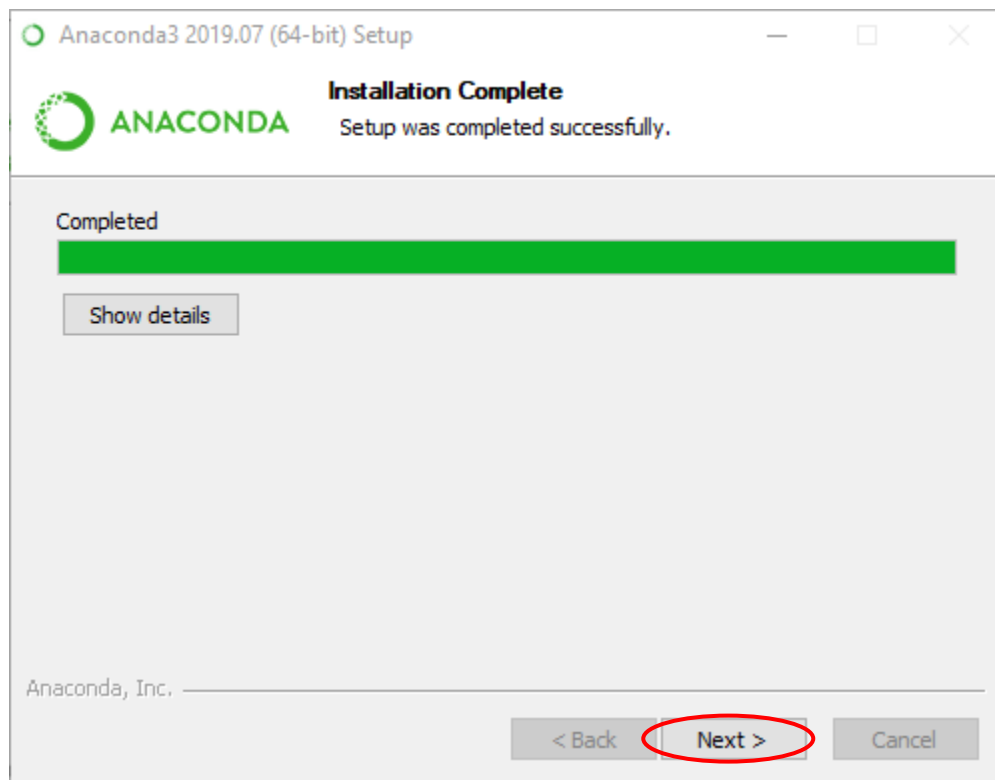
**STEP 6:** Create the folder called “**Anaconda**” under **C:\** and set the Destination Folder as follows and then click on the “**Next**” button.



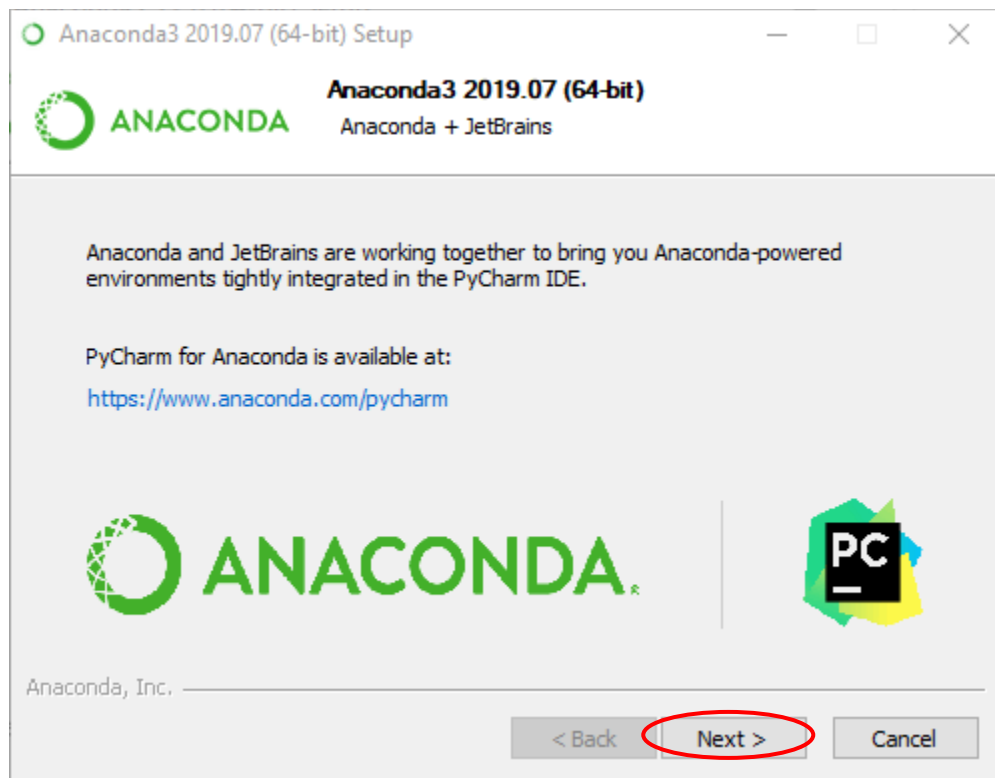
**STEP 7:** Click on the first check box and then the “**Install**” button.



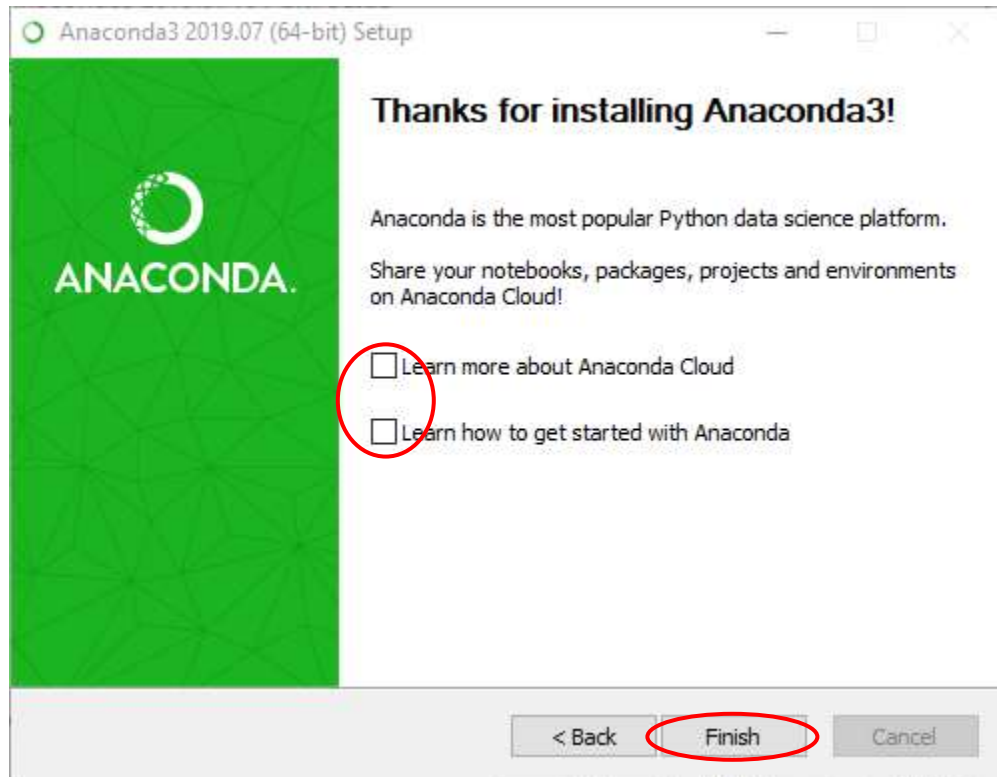
**STEP 8:** Wait for the installation completed and then click on the “Next” button.



**STEP 9:** Click on the “Next” button.



**STEP 10:** Uncheck the below two boxes and then click on the “**Finish**” button.



**STEP 11:** Check whether the installation is working properly or not, go to the **command prompt** and then type the word “**python**” on the command line. You should see a series of lines and a prompt as shown in the below screen to illustrate that Python is working properly. **As we use the Python interpreter in your computer system instead, you may ignore this warning.**

```
Command Prompt
Microsoft Windows [Version 10.0.17134.950]
(c) 2018 Microsoft Corporation. All rights reserved.

C:\Users\Ben C.K. Ngan>python
Python 3.7.3 (default, Apr 24 2019, 15:29:51) [MSC v.1915 64 bit (AMD64)] :: Anaconda, Inc. on win32

Warning:
This Python interpreter is in a conda environment, but the environment has
not been activated. Libraries may fail to load. To activate this environment
please see https://conda.io/activation

Type "help", "copyright", "credits" or "license" for more information.
>>> exit()

C:\Users\Ben C.K. Ngan>
```

## B. Running Jupyter Notebook

**STEP 1:** Create a working directory for your project (any name), e.g., “Jupyter NoteBook”, and then navigate to that directory. Type “Jupyter NoteBook” on the command line shown as follows:

```
Command Prompt
Microsoft windows [Version 10.0.18362.592]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\Ben C.K. Ngan>cd /

C:\>md "Jupyter NoteBook"

C:\>cd "Jupyter NoteBook"

C:\Jupyter NoteBook>Jupyter Notebook
```

**STEP 2:** The web interface prompts up. Click on “**Python 3**” to start a new project.



**STEP 3:** You can do Python coding here.

