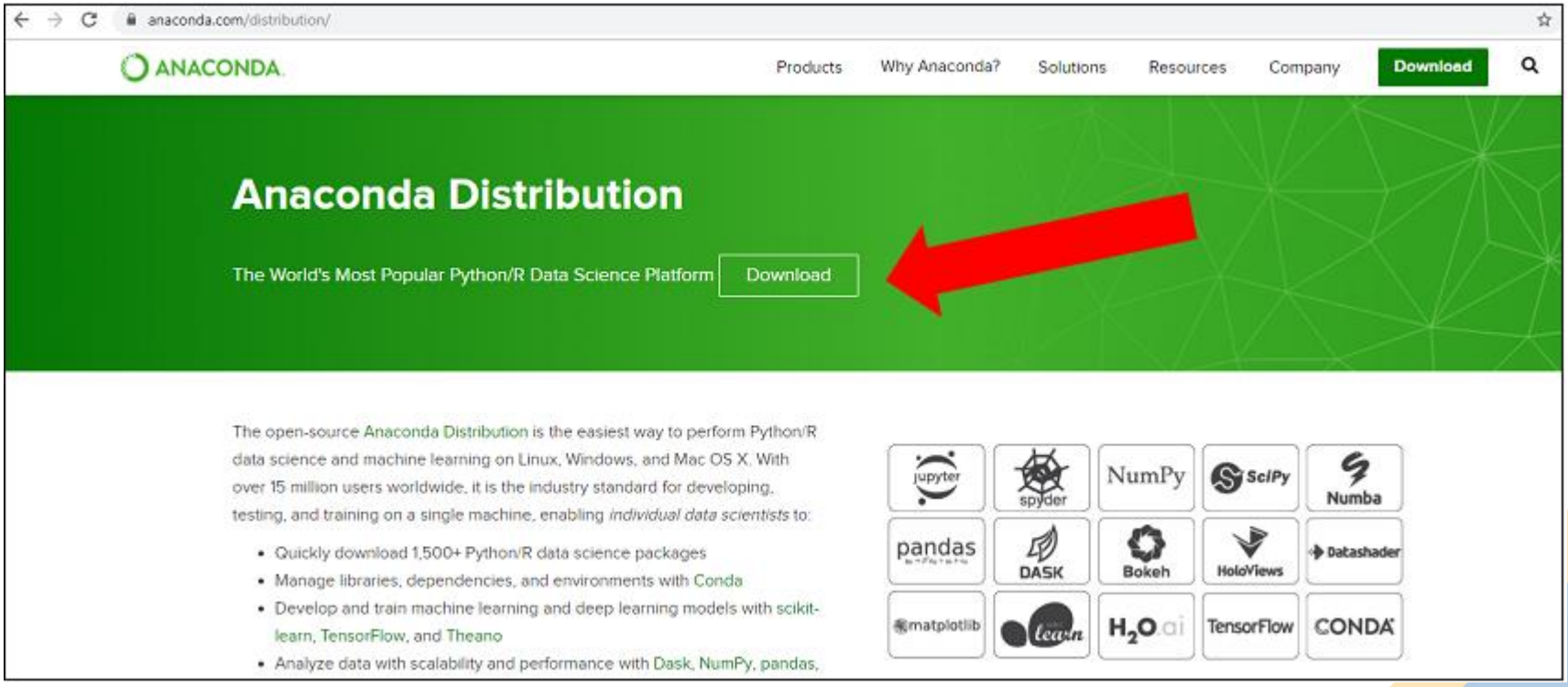
HO CHI MINH CITY UNIVERSITY OF TRANSPORT
FACULTY OF INFORMATION TECHNOLOGY
SOFTWARE ENGINEERING DEPARTMENT

Guidelines for Installing and Using Anaconda on Windows

Where can you get Anaconda?

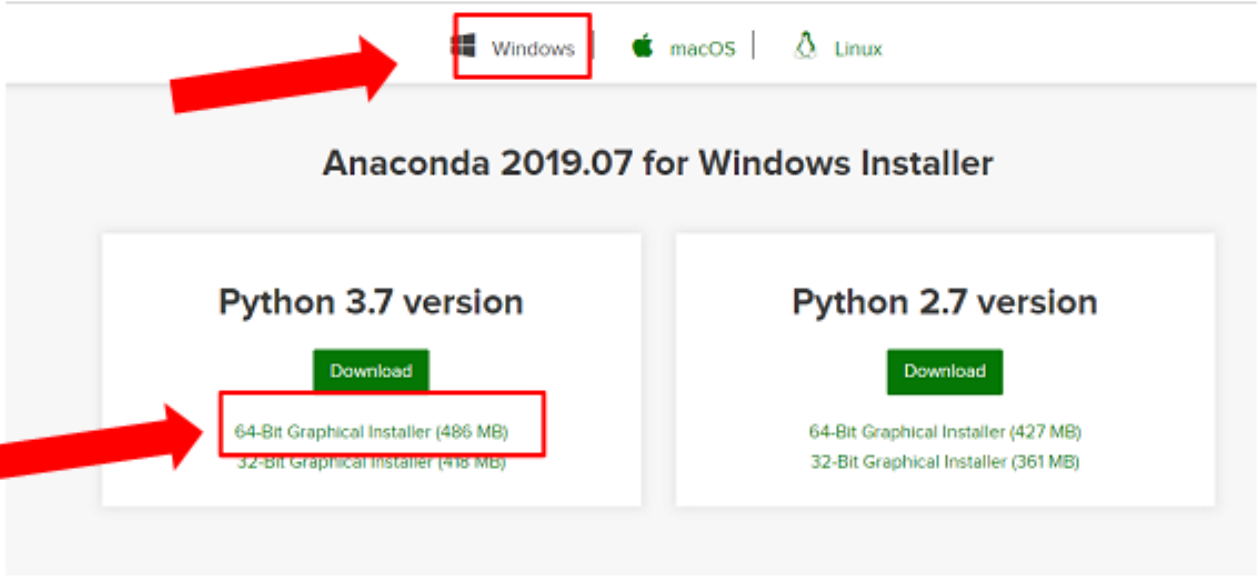
- Go to https://www.anaconda.com/products/individual
- Select Download



Start your Anaconda Download

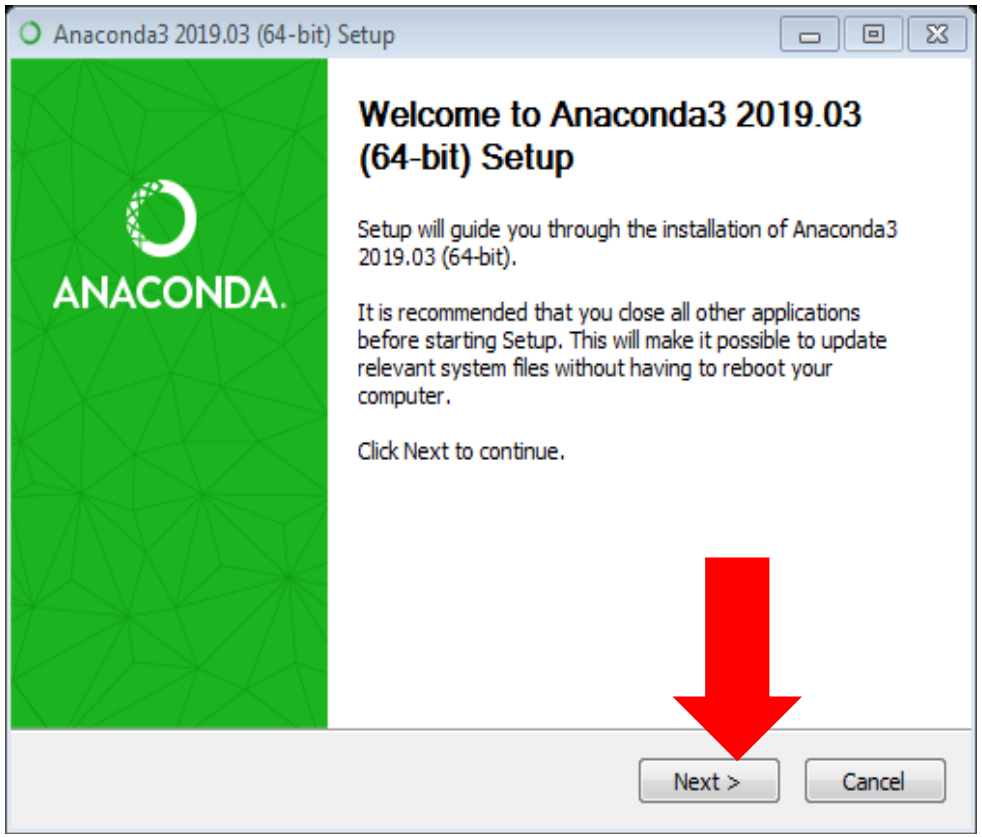
- Select your operating system (Windows, macOS, Linux)
- Select Python 3.7 version with 64-bit installer if you have a 64-bit machine.

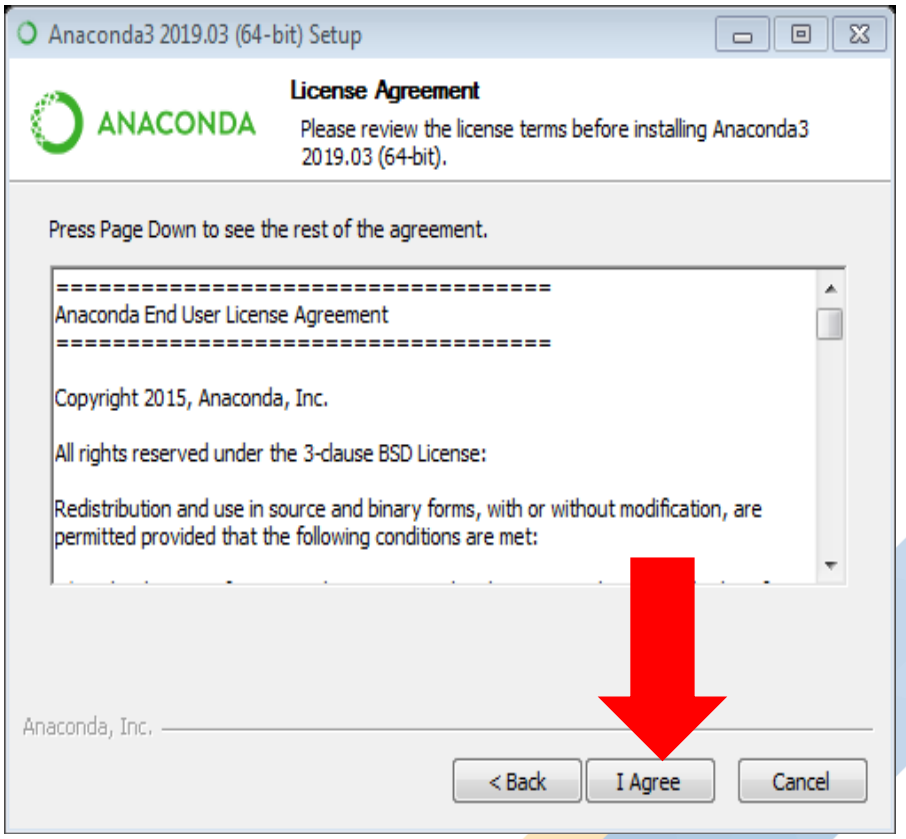
NOTE: This is for Windows install.



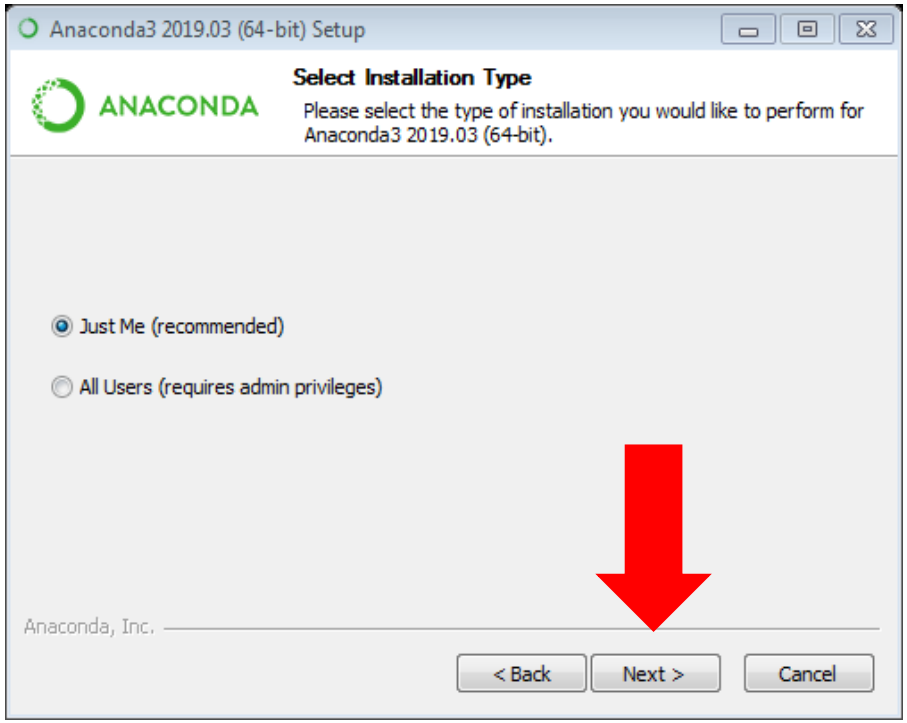
Start Install

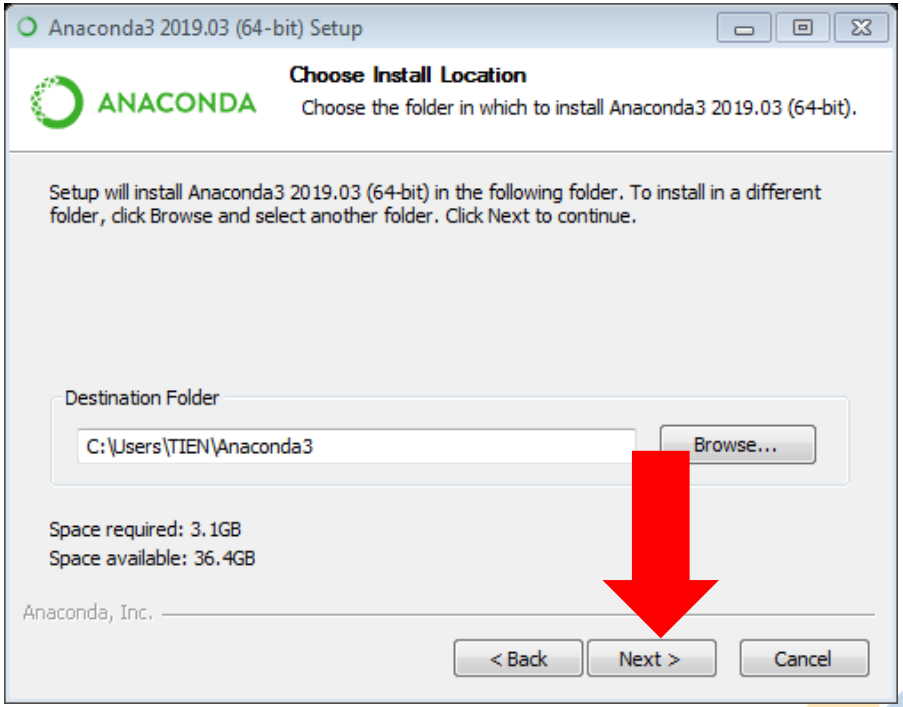
- Open the file you downloaded. You will see the following screen and then select **Next** and **I agree** on the following screen. See below and follow selections.





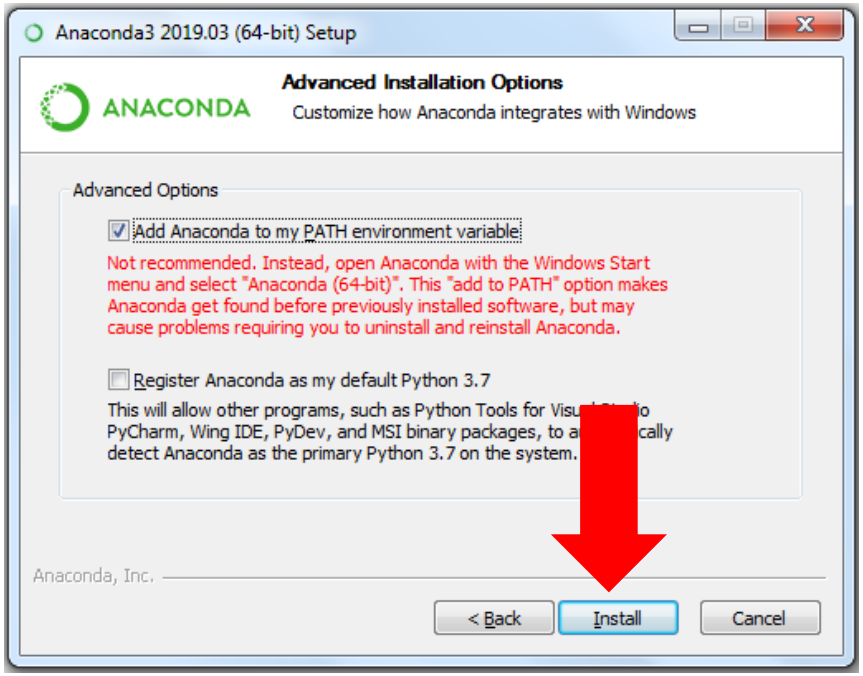
Install - Continued

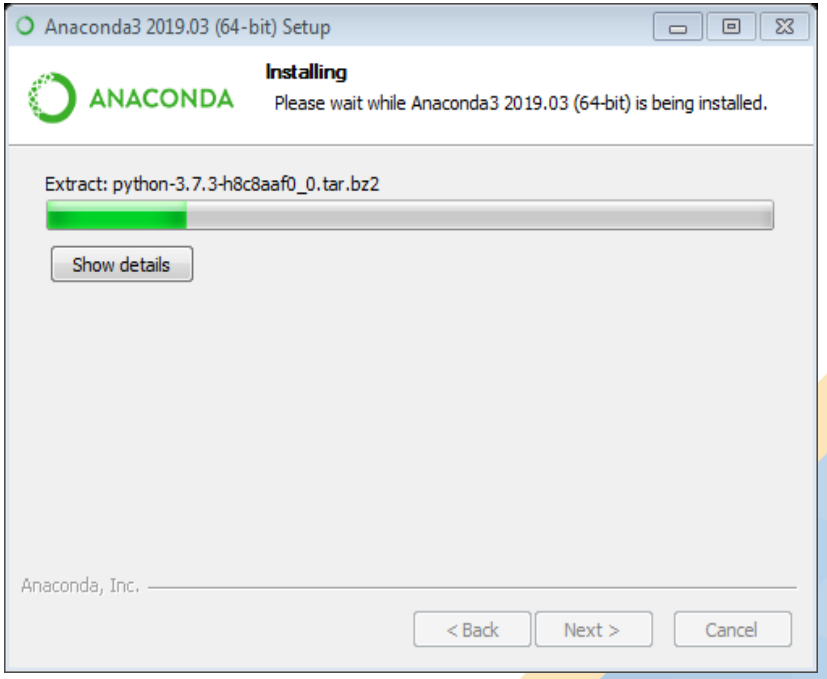




Install - continued

- Select: Add Anaconda to my PATH environment variable.
- When Installation complete → Click “Next” → Click “Next” → “Finish”



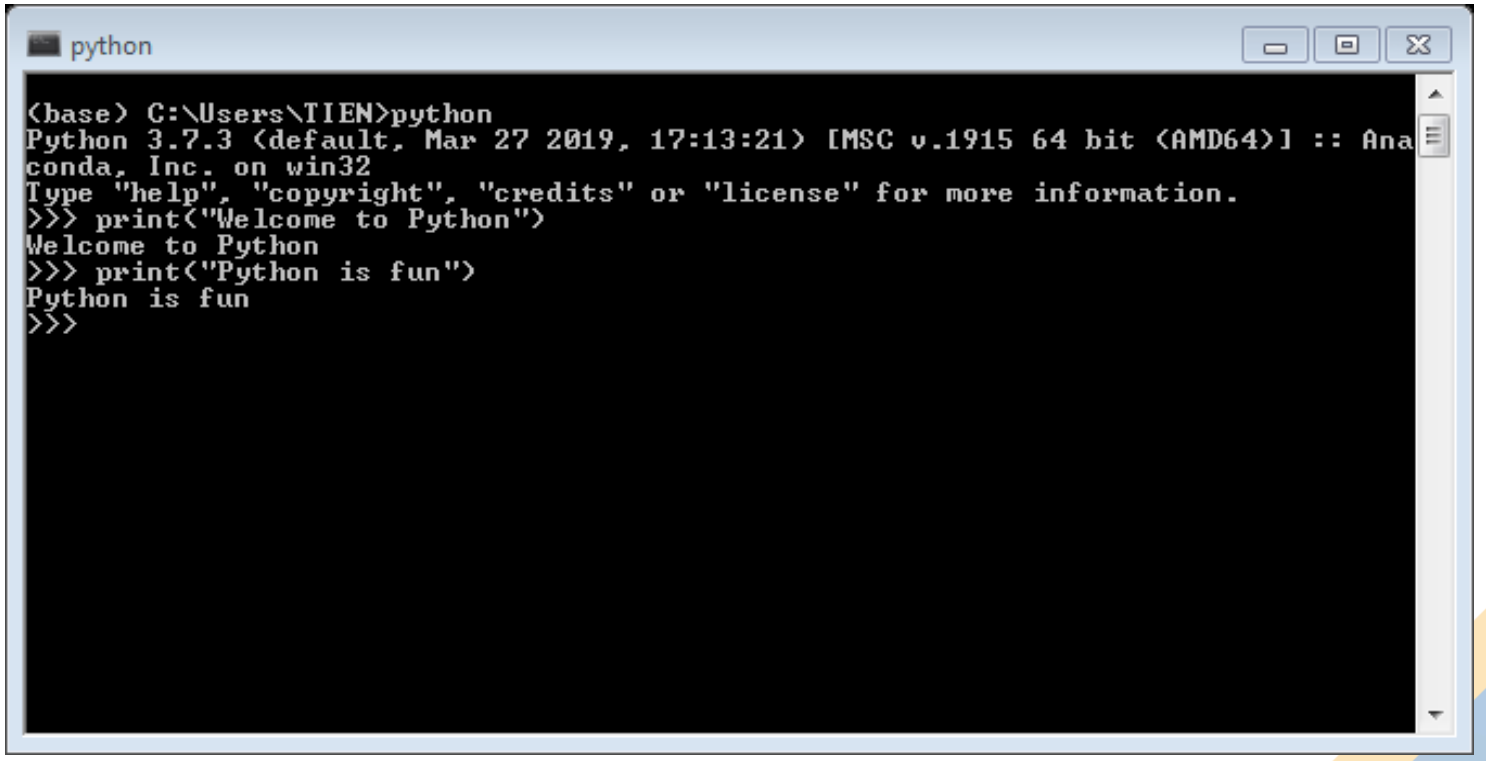


How to write a Python program

- You can write and run a Python program in 3 ways:
  - Anaconda Prompt
  - Spyder IDE
  - Jupyter Notebook

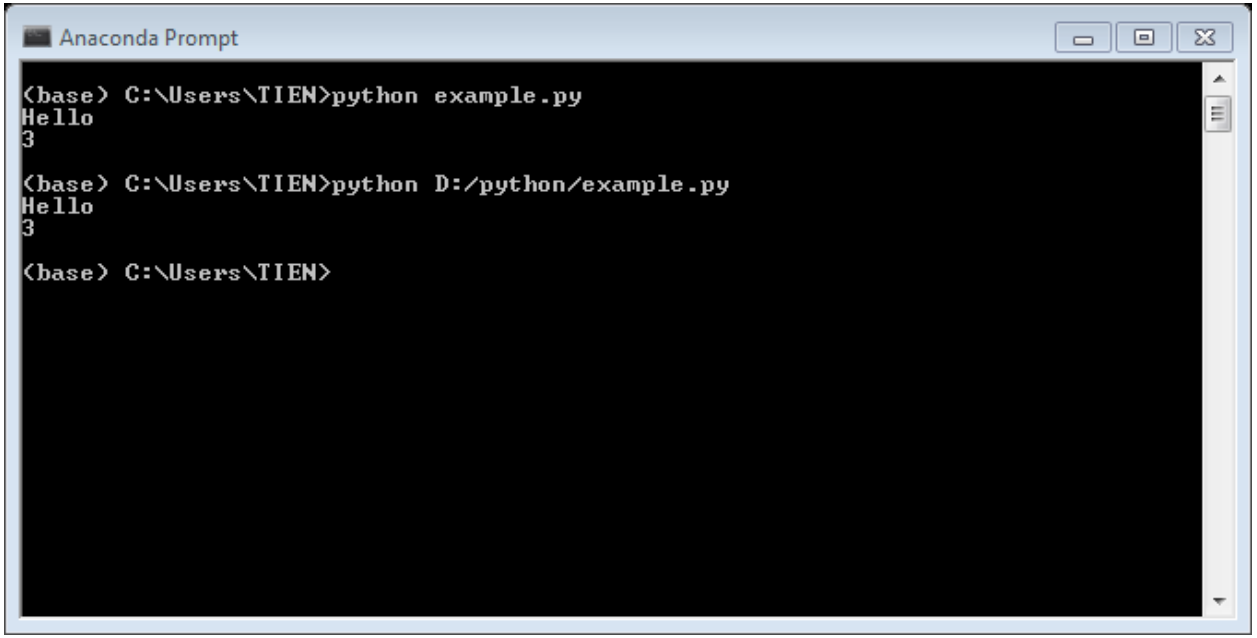
Using Anaconda Prompt

1. Click on Start menu → Click folder "Anaconda3 (64-bit)" → Select **Anaconda Prompt**.
2. Type "python" and press Enter
3. You can enter a Python code after prompt >>> and press Enter
4. To exit **Python**, press CTRL+Z



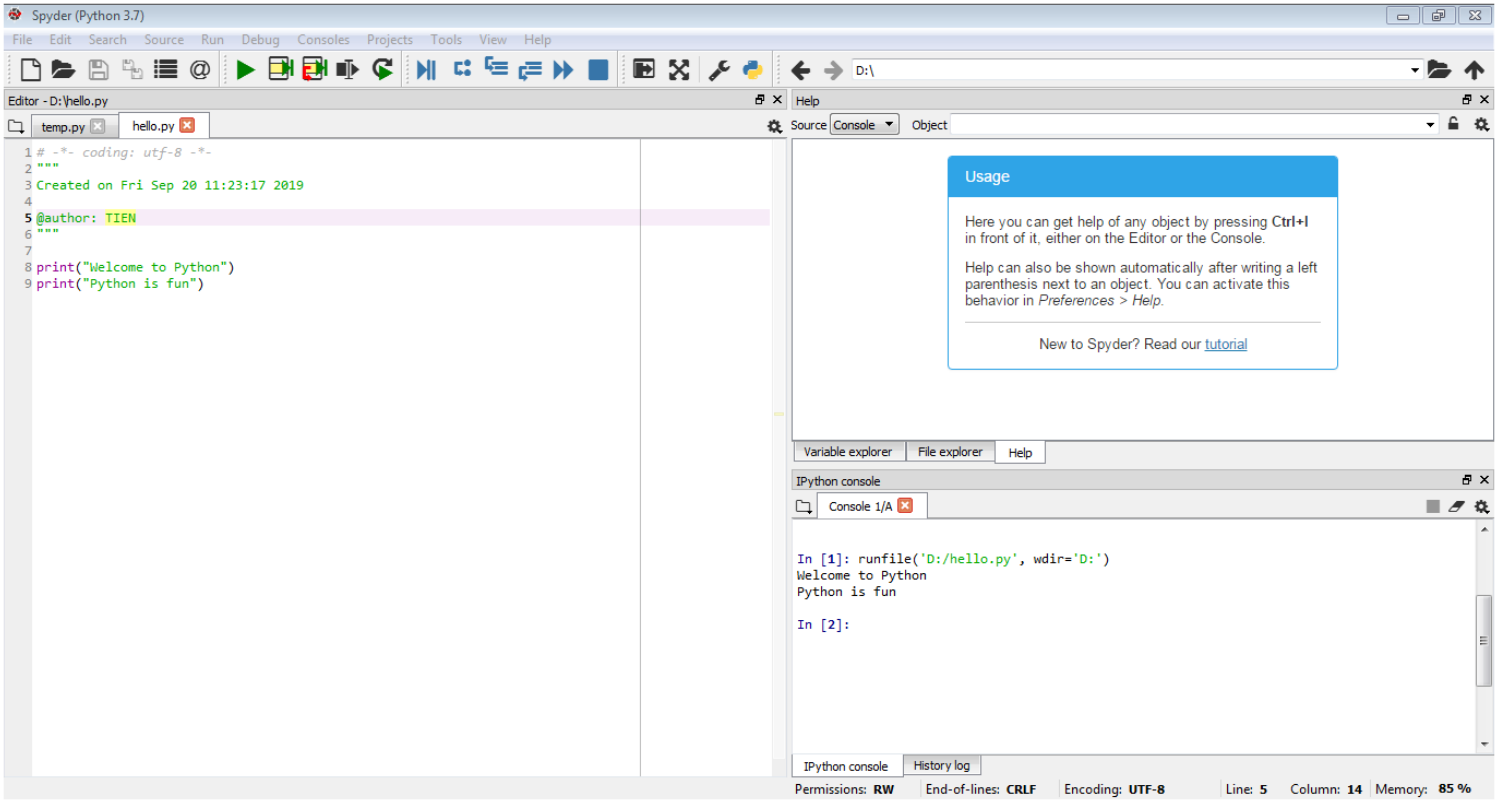
Using Anaconda Prompt

- You can run a Python program using Anaconda prompt
  1. Using Notepad to edit program → Save file with name: **filename.py**
  2. Launch Anaconda prompt
  3. Type: >**python path-to-your-file**



Using Spyder IDE

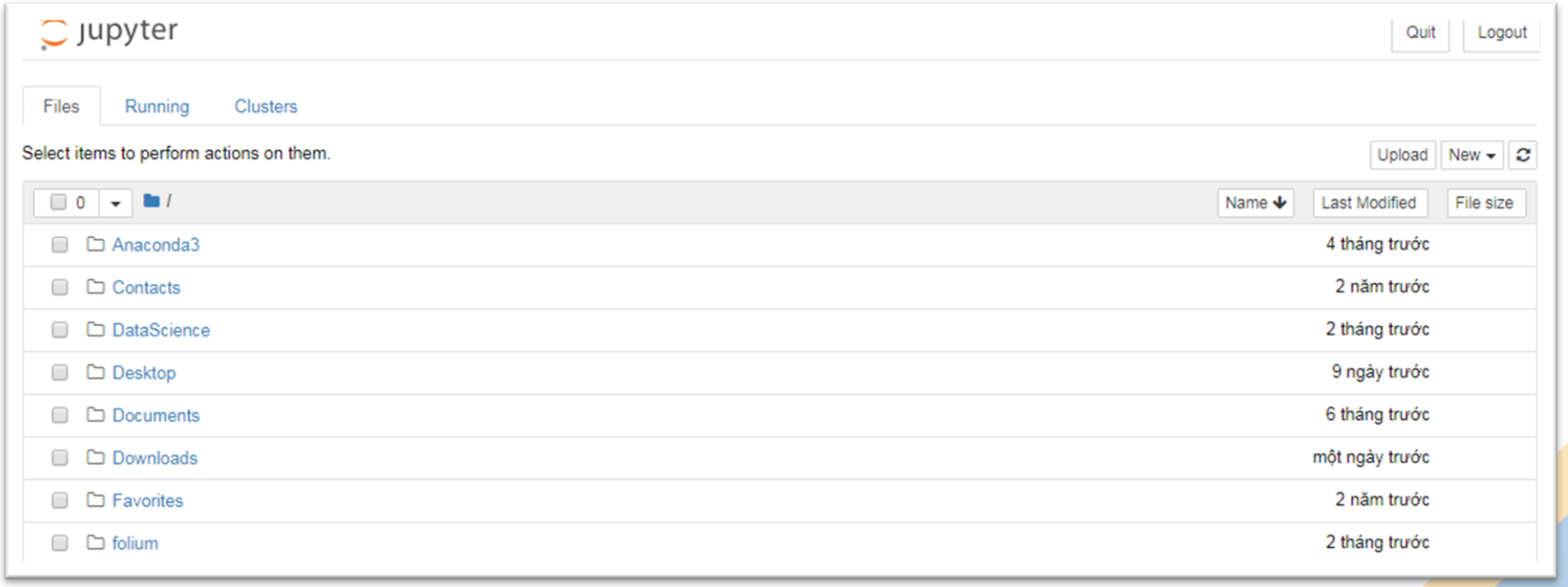
- Click on Start menu → Click folder "Anaconda3 (64-bit)" → Select **Spyder**
- Write program into editor → click **Run** button or press F5.
- You can see your program's output in the bottom right Console pane.



Using Jupyter Notebook

1. Launch Jupyter Notebook

- Click on Start menu → Click folder "Anaconda3 (64-bit)" → Select **Jupyter Notebook**.
- You will see the following display in your default browser



Using Jupyter Notebook

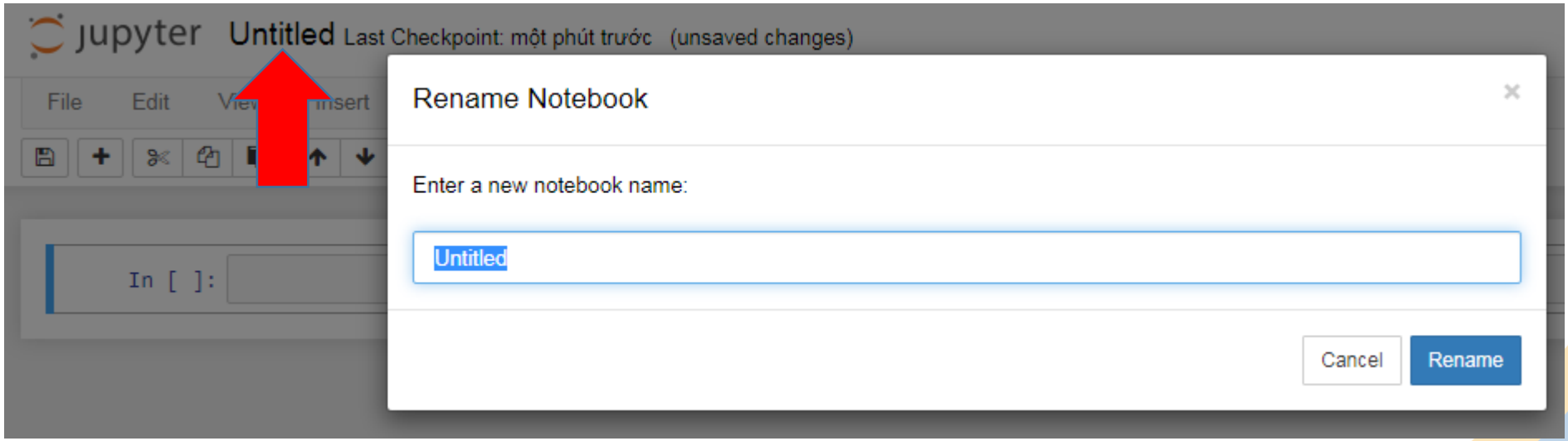
2. Create a new Notebook:

- Clicking the **New** button → Python 3

Using Jupyter Notebook

3. Rename your Notebook

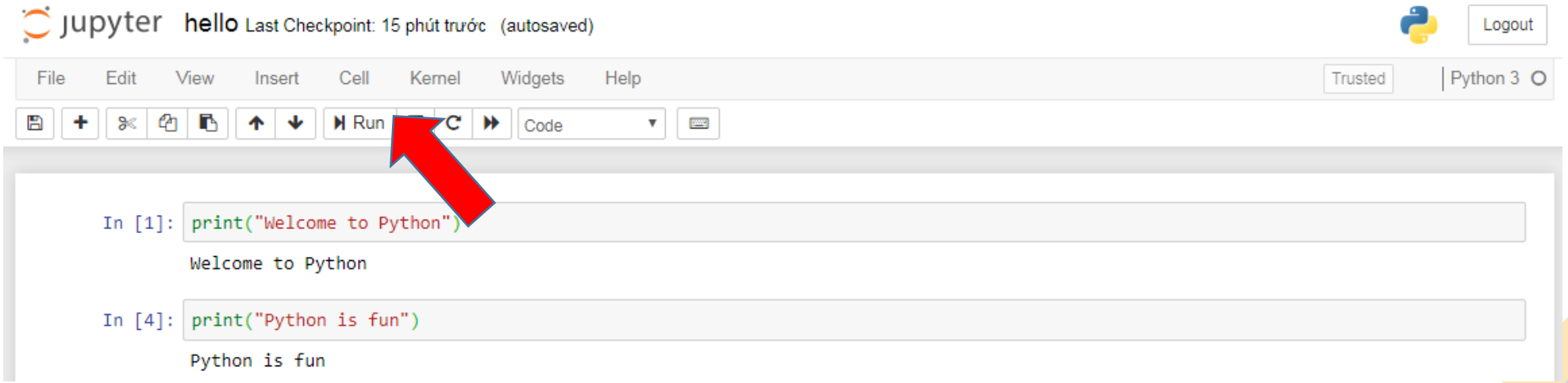
- Click on the current name and edit it or find rename under File in the top menu bar



Using Jupyter Notebook

4. Write and run commands

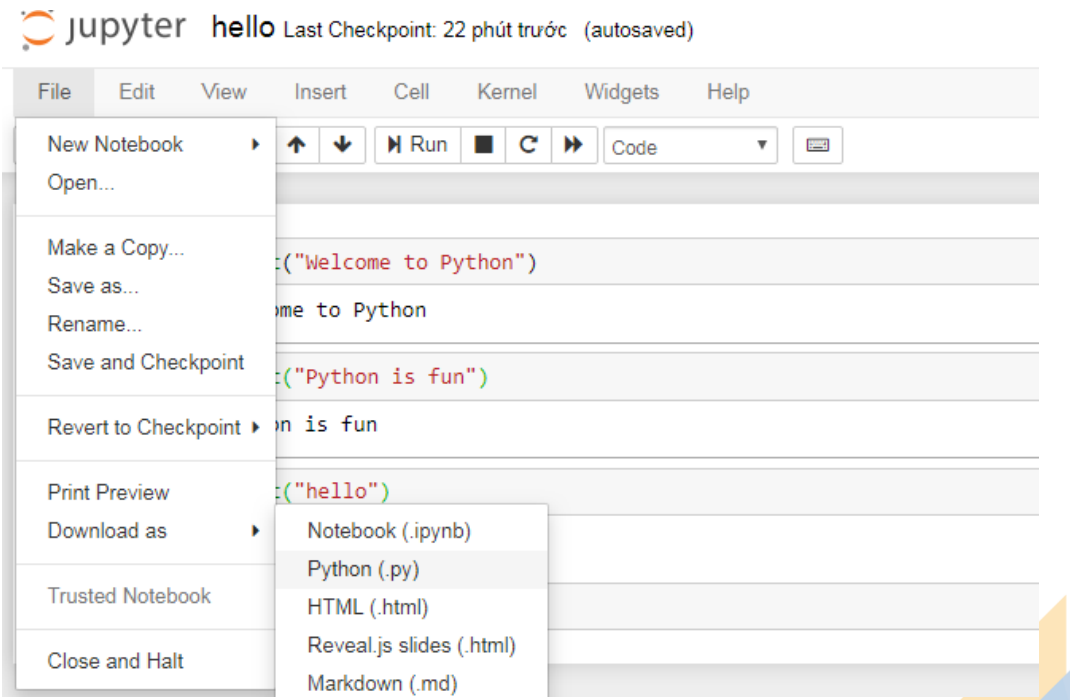
- In the **In[ ]** cell, you type simple code one line at a time or an entire function → press Shift + Enter or click Run button.



Using Jupyter Notebook

5. Save a file

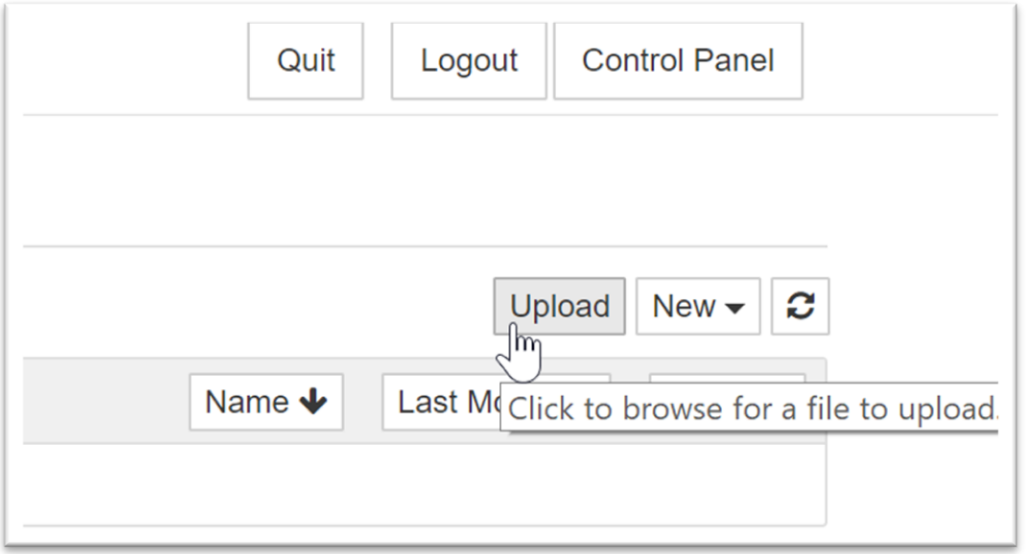
- Notebook is file *.ipynb and saved in installed directory Anaconda3 by default.
- You can save notebook to an another location.
  - Clicking File → Download as → Notebook (.ipynb)
  - Or another format, such as Python (.py), PDF,…

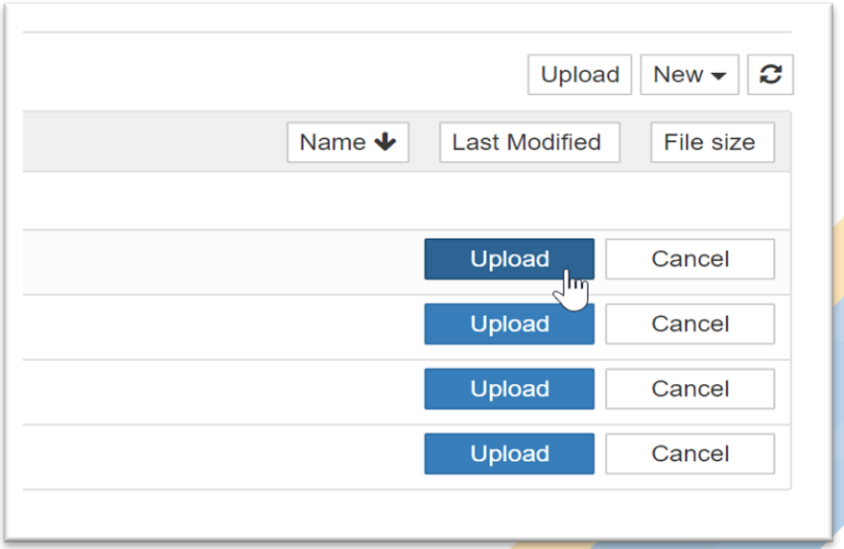


Using Jupyter Notebook

6. Upload a file into Jupyter notebook

- Navigate to the Jupyter Notebook interface home page
- Click the "Upload" button to open the file chooser window.
- Choose the file you wish to upload. You may select multiple files if you wish.
- Click "Upload" for each file that you wish to upload.
- These files will now be on your JupyterHub, your home user's home directory

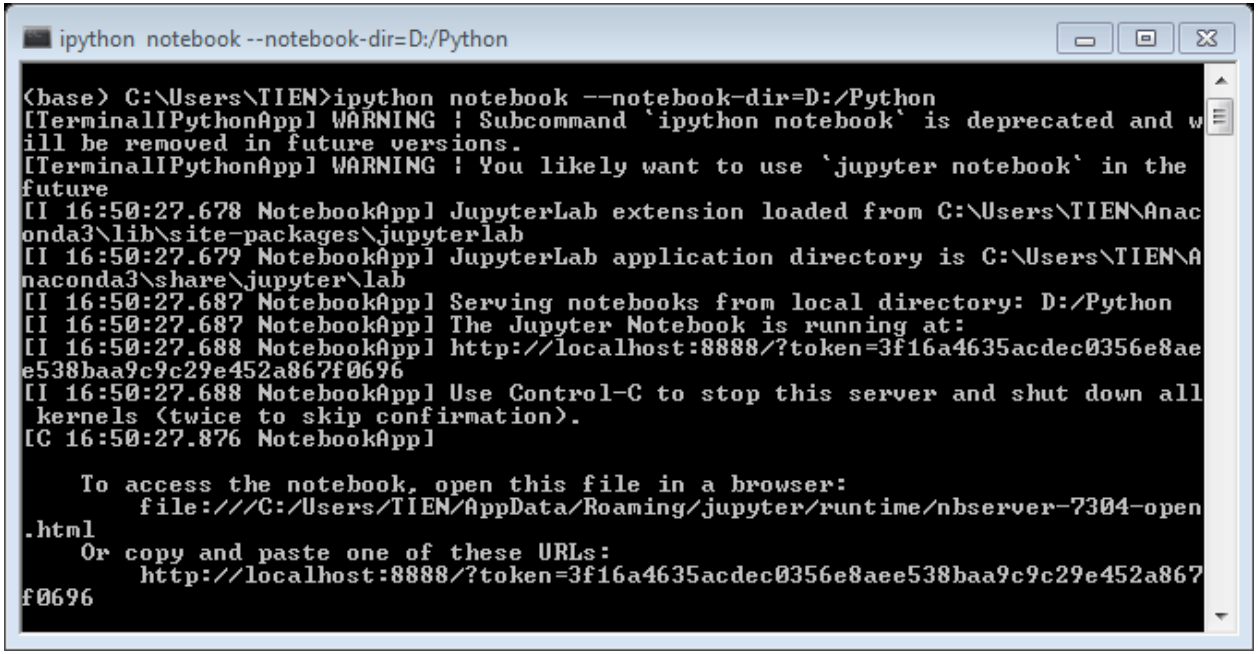




Using Jupyter Notebook

7. Change Jupyter notebook working directory

- Create your folder in specific location you wish
- Run “Anaconda Prompt”
- Type command: **ipython notebook --notebook-dir=/path/directory**
- **/path/directory**: path to your folder



Use Python online

- If you don't have Python, use Python Tutor until you get Anaconda installed.
  - http://www.pythontutor.com