DHcode.org

setup | Using Jupyter Notebook
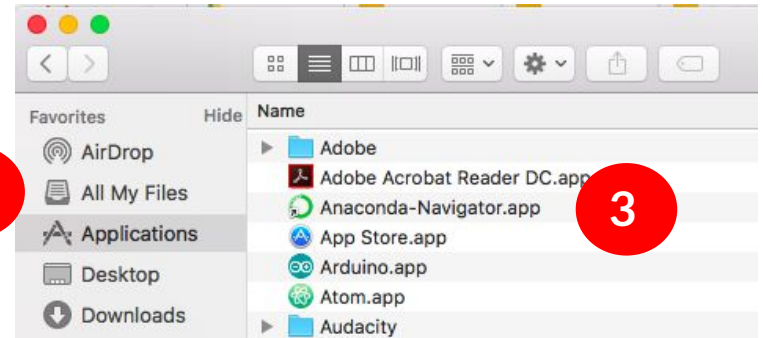
Getting started
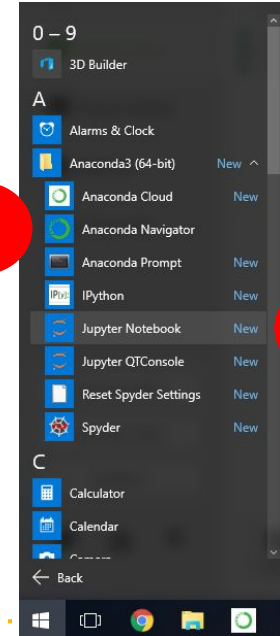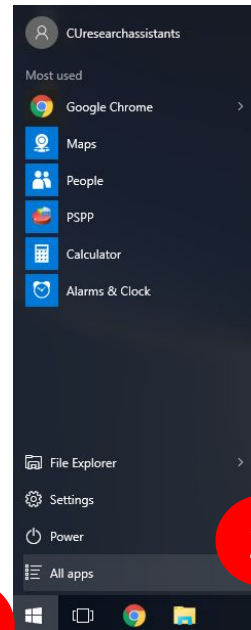
Jupyter Notebook Mac

1. Click the Finder icon on your toolbar

2. Click the Application link

3. Double click the Anaconda-Navigator app

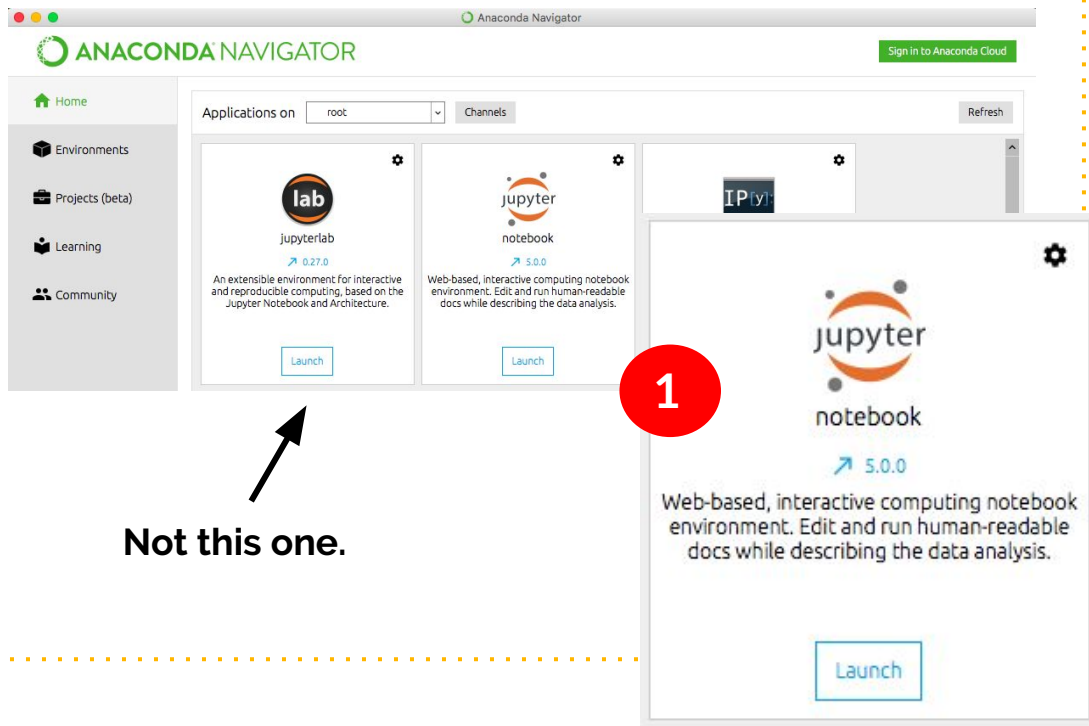**Pro-tip: Keep Anaconda on your dock for easy access**

Jupyter Notebook PC

1. Launch the Windows Start page

2. Double click on the All Apps link

3. Double click the Anaconda-Navigator app

4. Click on the Jupyter Notebook app

Open Jupyter Notebook Mac + PC

1. Click the "Launch" button under the Jupyter Notebook logo
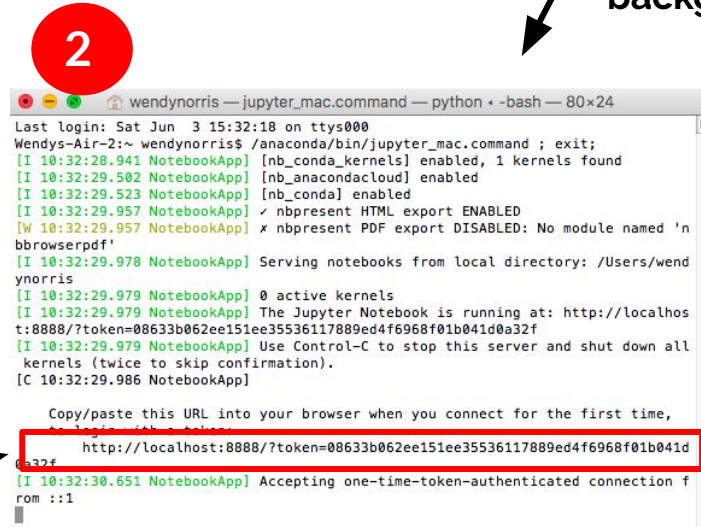
Not this one.

Open Jupyter Notebook

PC users your terminal window may have a black background.

1. Confirm the terminal window has opened.

2. Click the minimize window button.

You can ignore the window but <u>don't close it</u> until you are done with the program

PC users you may need to copy this URL and paste it into a browser tab the first time you open Jupyter

2

1

```
wendynorris — jupyter_mac.command — python ‹ -bash — 80×24
Last login: Sat Jun  3 15:32:18 on ttys000
Wendys-Air-2:~ wendynorris$ /anaconda/bin/jupyter_mac.command ; exit;
[I 10:32:28.941 NotebookApp] [nb_conda_kernels] enabled, 1 kernels found
[I 10:32:29.502 NotebookApp] [nb_anacondacloud] enabled
[I 10:32:29.523 NotebookApp] [nb_conda] enabled
[I 10:32:29.957 NotebookApp] ✓ nbpresent HTML export ENABLED
[W 10:32:29.957 NotebookApp] ✗ nbpresent PDF export DISABLED: No module named 'n
bbrowserpdf'
[I 10:32:29.978 NotebookApp] Serving notebooks from local directory: /Users/wend
ynorris
[I 10:32:29.979 NotebookApp] 0 active kernels
[I 10:32:29.979 NotebookApp] The Jupyter Notebook is running at: http://localhos
t:8888/?token=08633b062ee151ee35536117889ed4f6968f01b041d0a32f
[I 10:32:29.979 NotebookApp] Use Control-C to stop this server and shut down all
 kernels (twice to skip confirmation).
[C 10:32:29.986 NotebookApp]

    Copy/paste this URL into your browser when you connect for the first time,
to login with a token:
        http://localhost:8888/?token=08633b062ee151ee35536117889ed4f6968f01b041d
0a32f
[I 10:32:30.651 NotebookApp] Accepting one-time-token-authenticated connection f
rom ::1
```
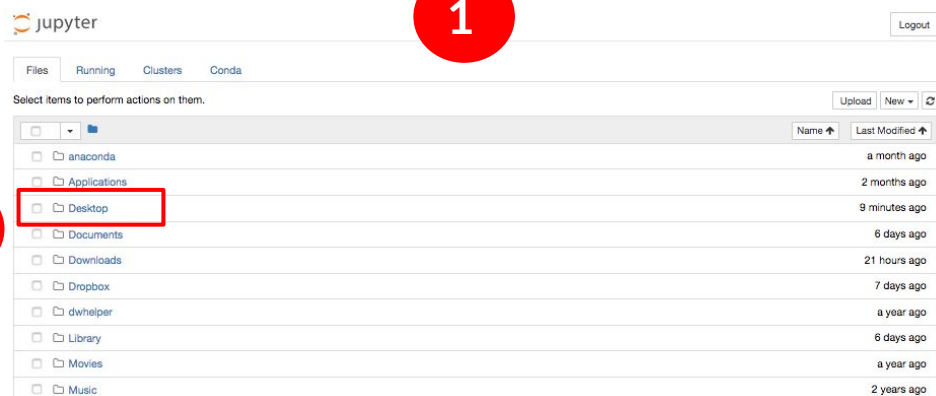
Pro-tip: PC users should copy/paste the Anaconda icon to desktop and paste in the localhost URL to properties.

Navigate Jupyter Notebook

1. **In a browser tab (Firefox, Chrome, etc.), you should now see a screen that looks like this.**

2. Click on the folder wherever you prefer to store your files.

In this example, I'll use the "Desktop" folder

Make a new folder or subfolder

1. Open the new Jupyter Notebook folder

2. Click on the "New" button.

3. Then select "folder"

4. Because I don't have files on my desktop, the Jupyter Notebook will indicate "The notebook list is empty." If you have desktop files, you will be able to see them here.

Pro-tip: If your Jupyter Notebook will 'read" a data file, both the Notebook .ipynb file and the .csv or other data file must be stored in the same folder
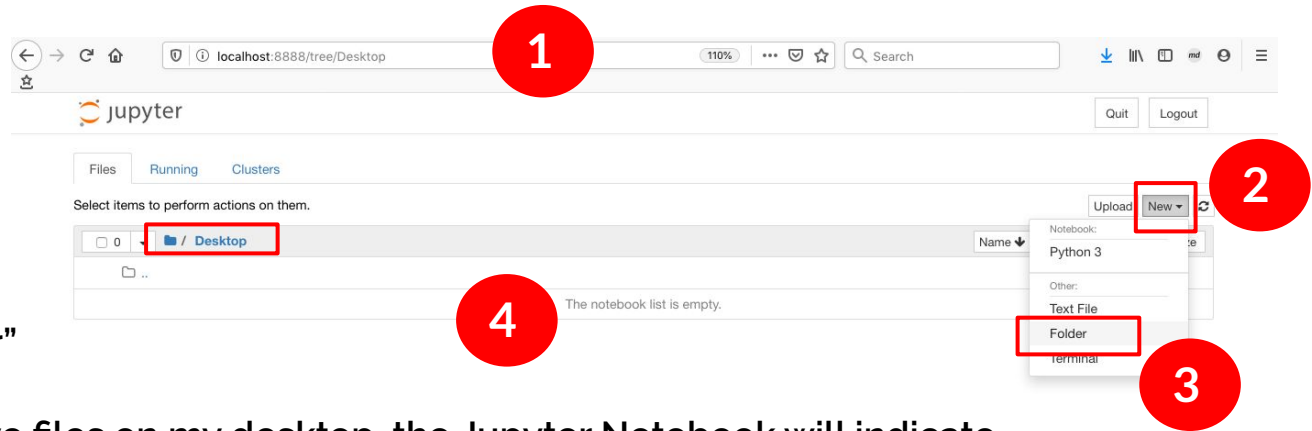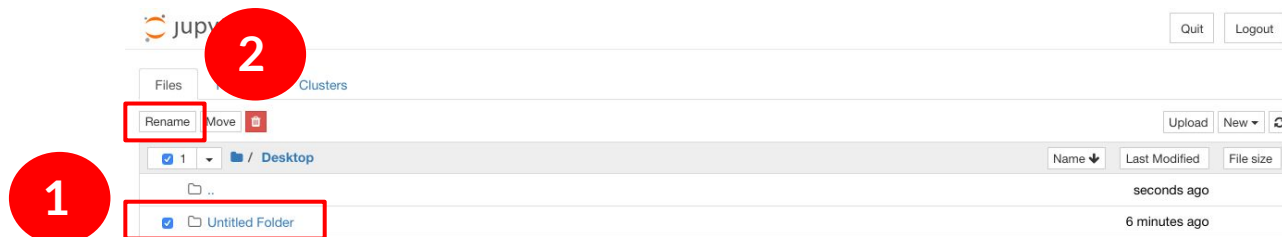
Name the new folder

1. Check the box next to Unnamed Folder.

2. Click on the "Rename" button.

3. Then rename the folder something descriptive, like DHcode materials
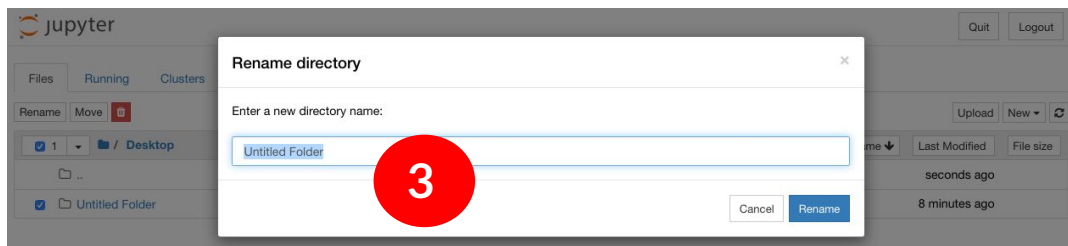
Pro tip: You can also create the new folder on the desktop <u>before</u> you open Jupyter Notebook.

Make a new Python file

1. Click on the DHcode materials folder to open it.

2. Click on the "New" button.

3. Then select Python3 from the menu to create a new programming file.
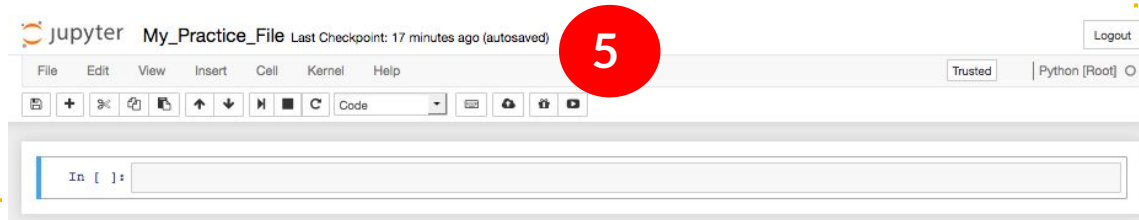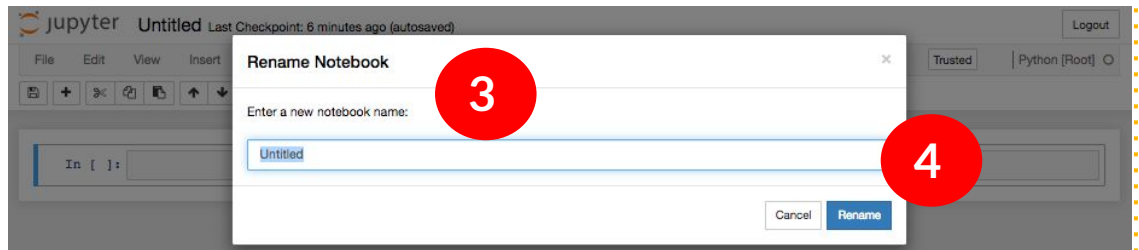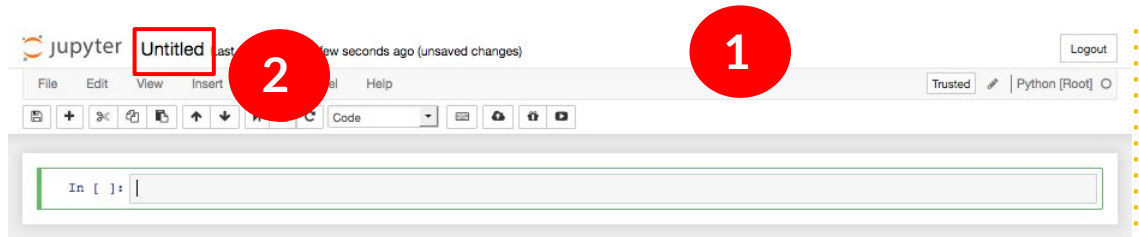
Name a new Python file

1. Voila! A new Jupyter Notebook file.

2. Click on "Untitled" on the top menu bar.

3. Rename the file: My_Practice_File
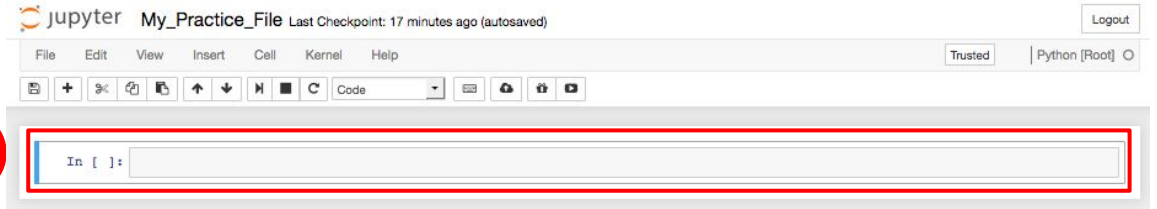
4. Click the blue "Rename" button.

5. Congrats!
You have a new file!

Create a practice file

1. Click inside the first blank line in your new Jupyter Notebook My_Practice file.
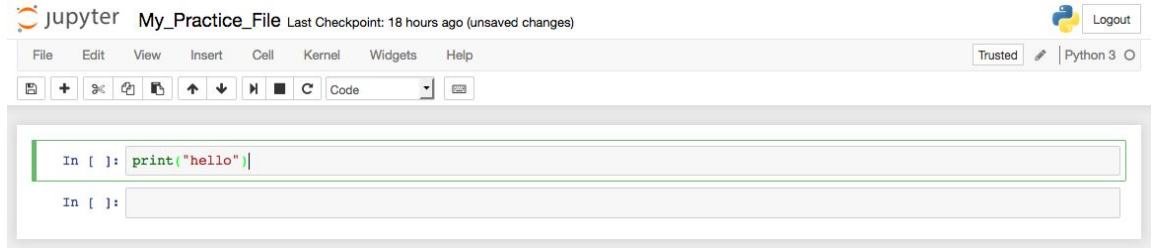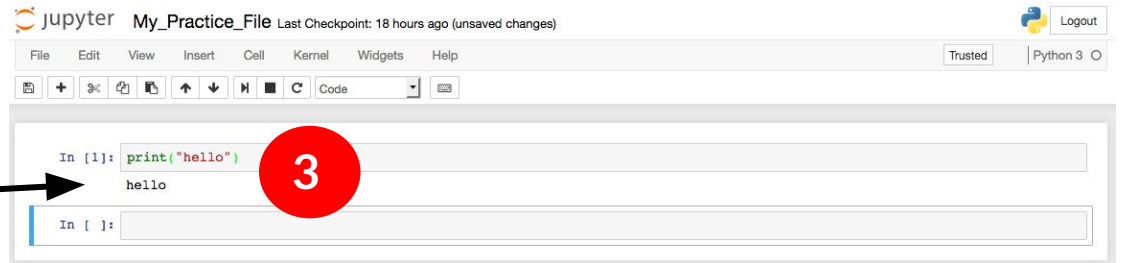
2. Type this command exactly in the first line:

`print(“hello”)`

3. Now, click and hold down the Shift key and then press the Enter key
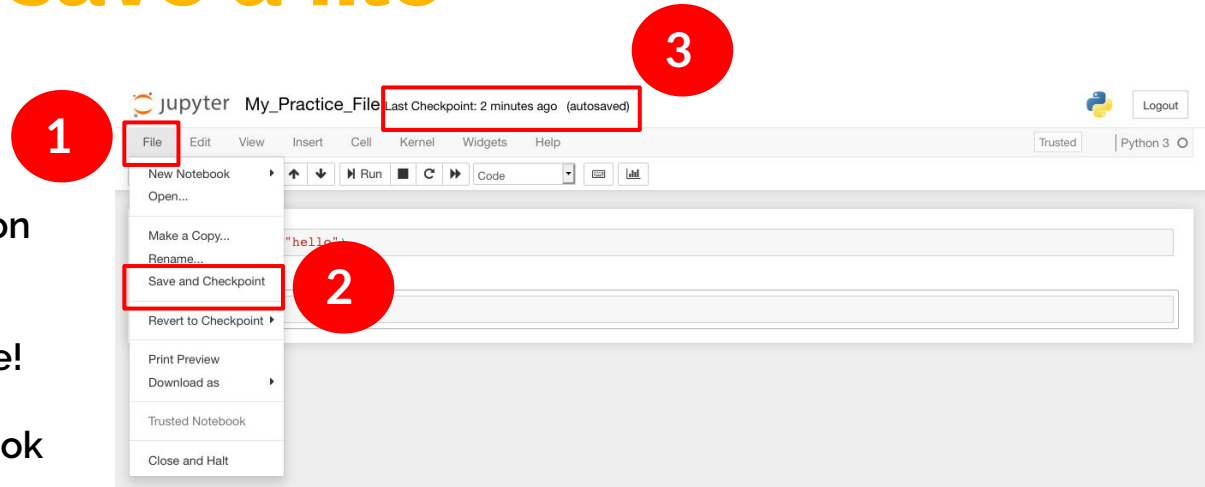
Do you see: `hello`

How to save a file

1. Click the "File" button

2. Click the "Save and Checkpoint" link. Done!

3. The Jupyter Notebook autosave function is unreliable. Be sure to Save and Checkpoint your file **often!**
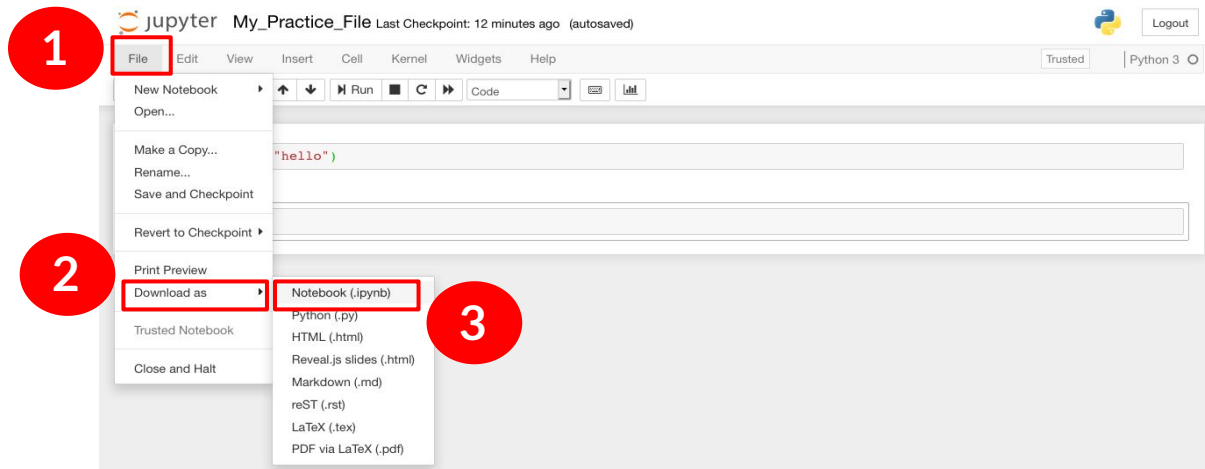
How to download files

1. Click the "File" button

2. Click on the "Download as" button

3. Click on the "Notebook (ipynb)" link

How to open an existing file

1. Click the "File" button

2. Click on the "Open..." link

3. This action will open the folder containing your .ipynb files

4. Click on the new file you wish to open

How to close a file

1. Click the "File" button

2. Click on the "Save and Checkpoint" Link

3. Click on the "Close and Halt" link

4. If you skip step 3 and simply close the browser tab, the file icon will be green, indicating that it continues to run