



# A Practical Python Walkthrough

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# How to access course material



ACCESS DIRECTLY ON GOOGLE  
DRIVE (GOOGLE COLABORATORY)



ACCESS DIRECTLY ON YOUR LOCAL  
PC

# Q&A – Which is better? Google Colab version or Jupyter Notebook version?

- Either is fine, really; both versions are designed for optimized experience on the platform you chose to use
- Google Colab would give you a fuss-free experience, since you'd require minimum set up (just need a Gdrive account)
- If you choose to download Anaconda on your local PC, you'll be better set for a long-term journey in Python Programming
- You may choose to use Google Colab first, and eventually get your PC set up 😊

# **Access Directly on Google Colab**

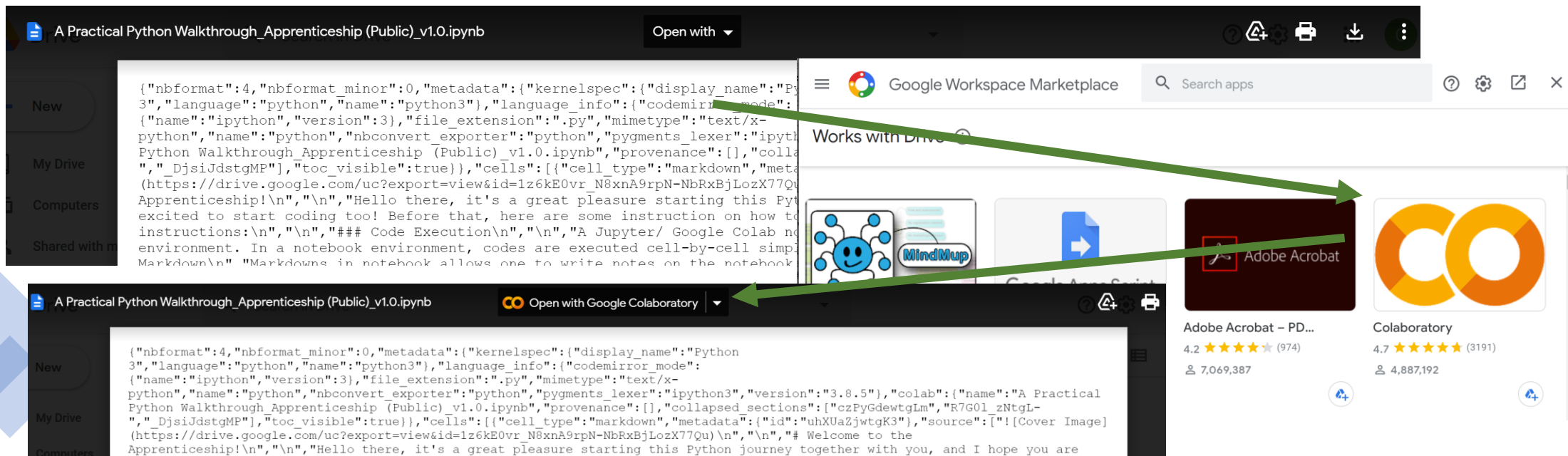
# Step 1a – Go to the Google Drive

- Click on this link: [https://drive.google.com/file/d/1b5ABPiCBlqOs7Fz8KqzbJn\\_m-oVOtU1h/view?usp=sharing](https://drive.google.com/file/d/1b5ABPiCBlqOs7Fz8KqzbJn_m-oVOtU1h/view?usp=sharing)
- You need to have a valid Gdrive account in order to access the course material
- This link brings you to the below coursebook



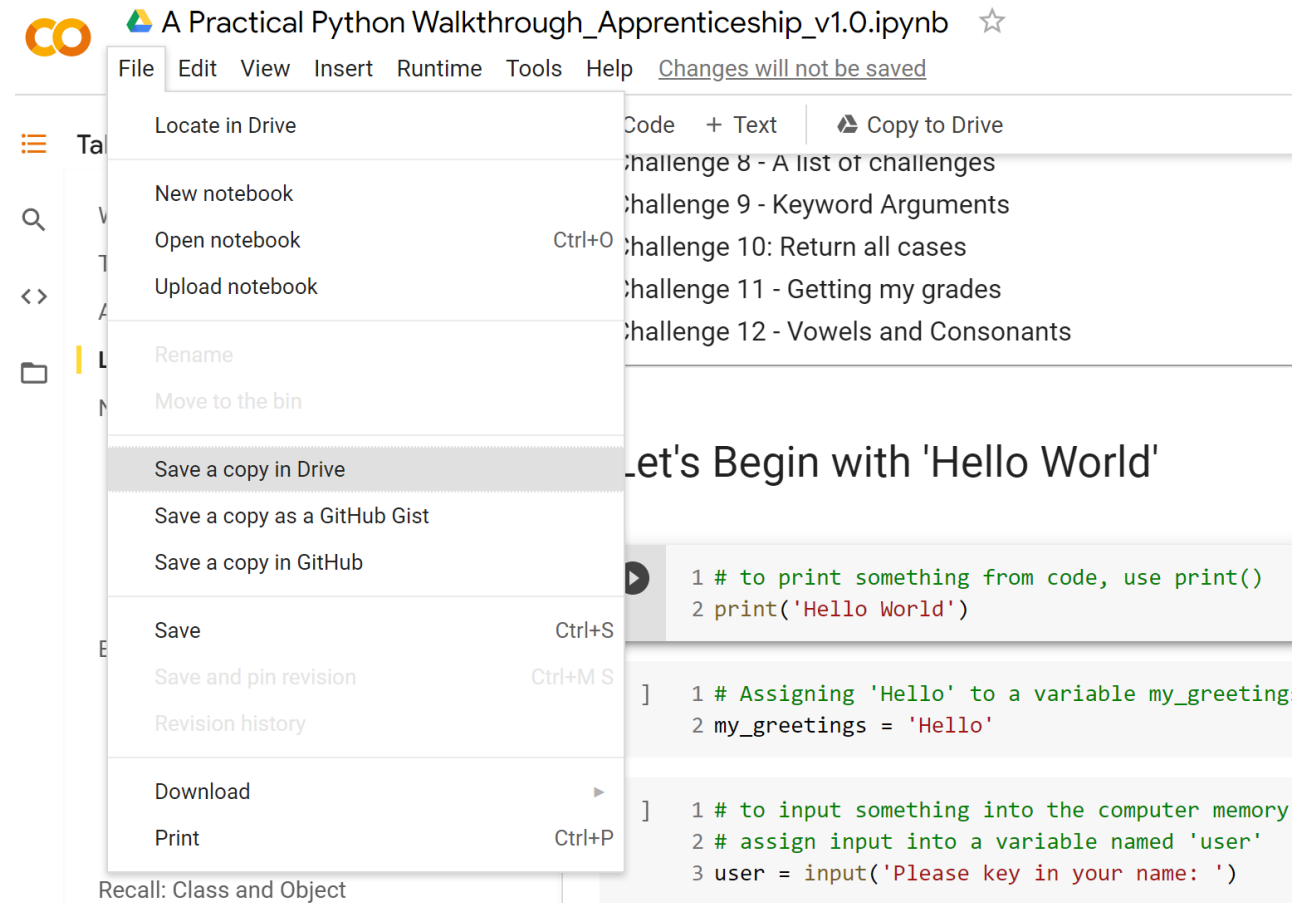
# Step 1b – Add in Google Colab Plugin

- If what appears before you is a chunk of codes like the below, fret not! Click 'Open with' and then click 'Connect more app'
- Search for 'Colaboratory' and click 'install'
- Once done, you'll be able to open the course book with Google Colaboratory!



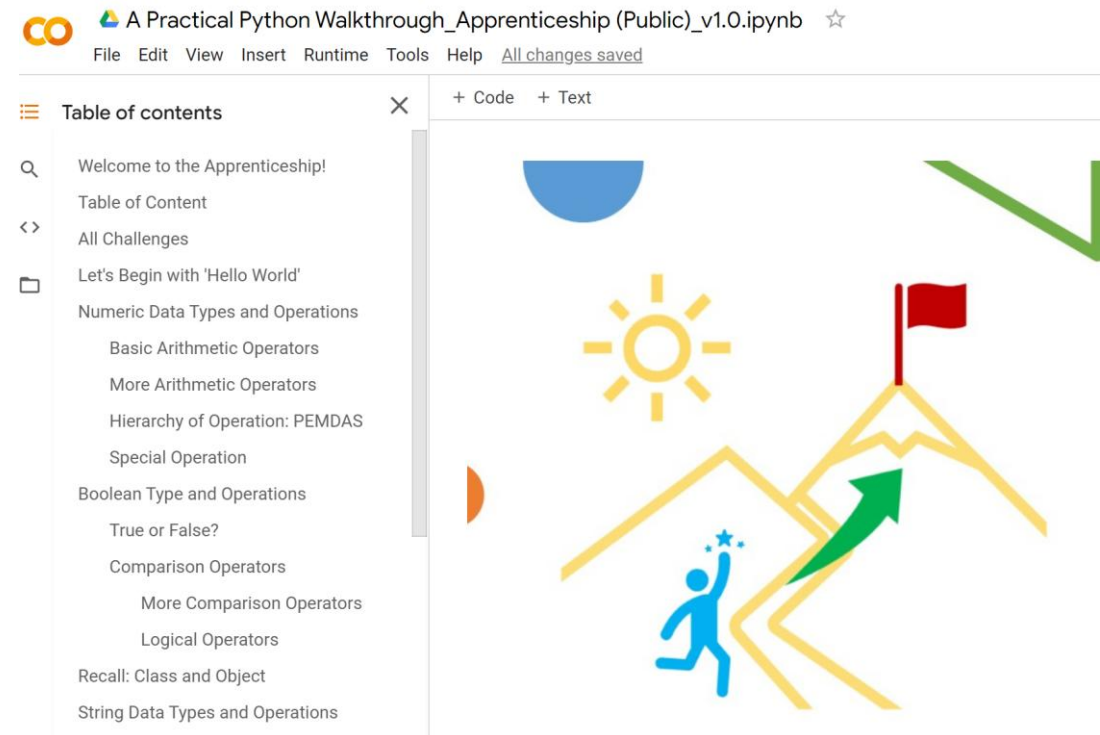
# Step 2 – Create your own Copy

- Once inside the coursebook, you should observe that the current file doesn't allow you to save any changes
- Here you need to create your own copy
- Click on 'File' -> 'Save a copy in Drive'
- This will then lead you to your own copy



# Step 3 – Rename your file and start coding!

- Double click on the notebook title to rename your notebook
- This file version is truly your own copy, so start coding away!



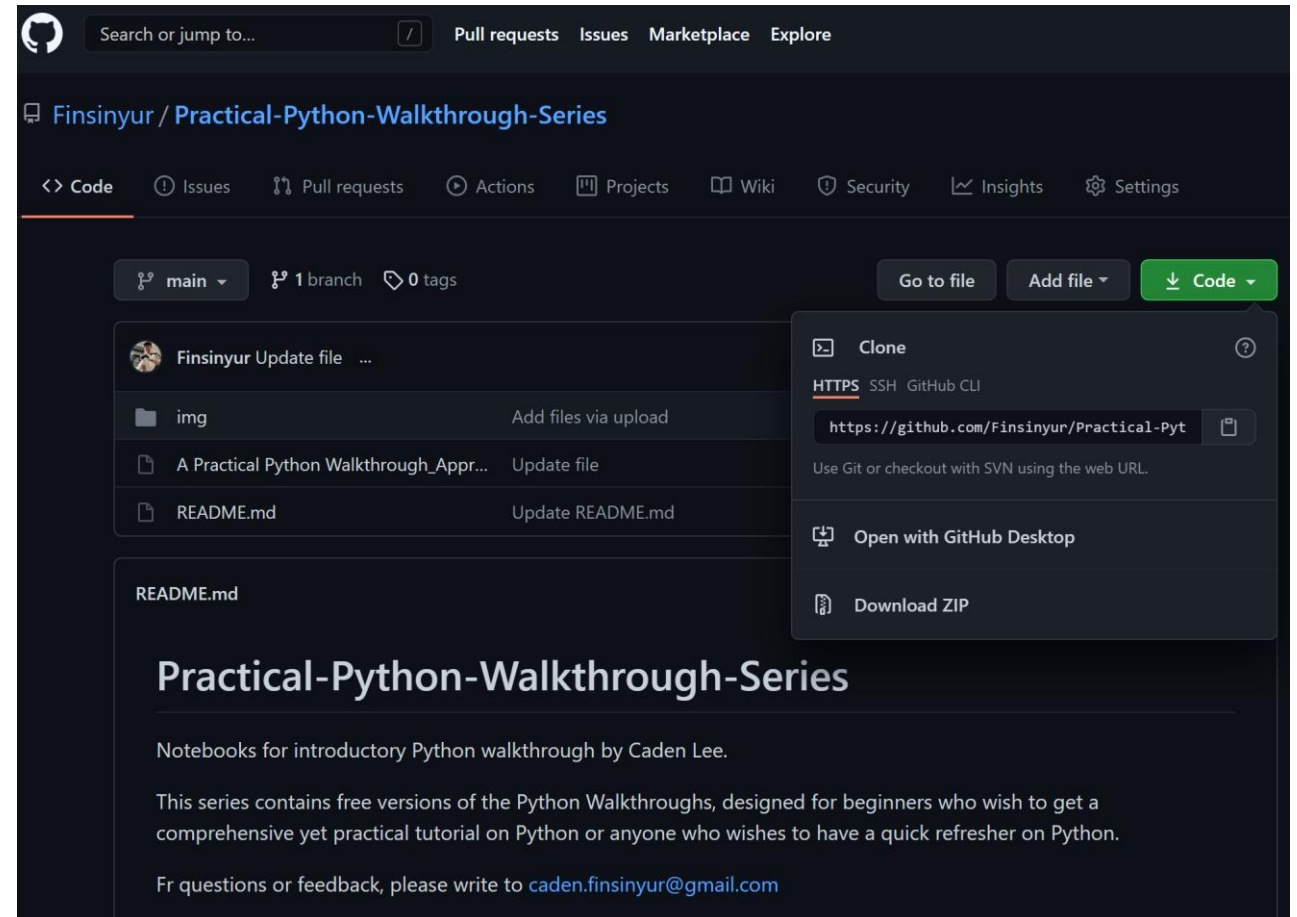




**Access Directly on your  
Local PC**

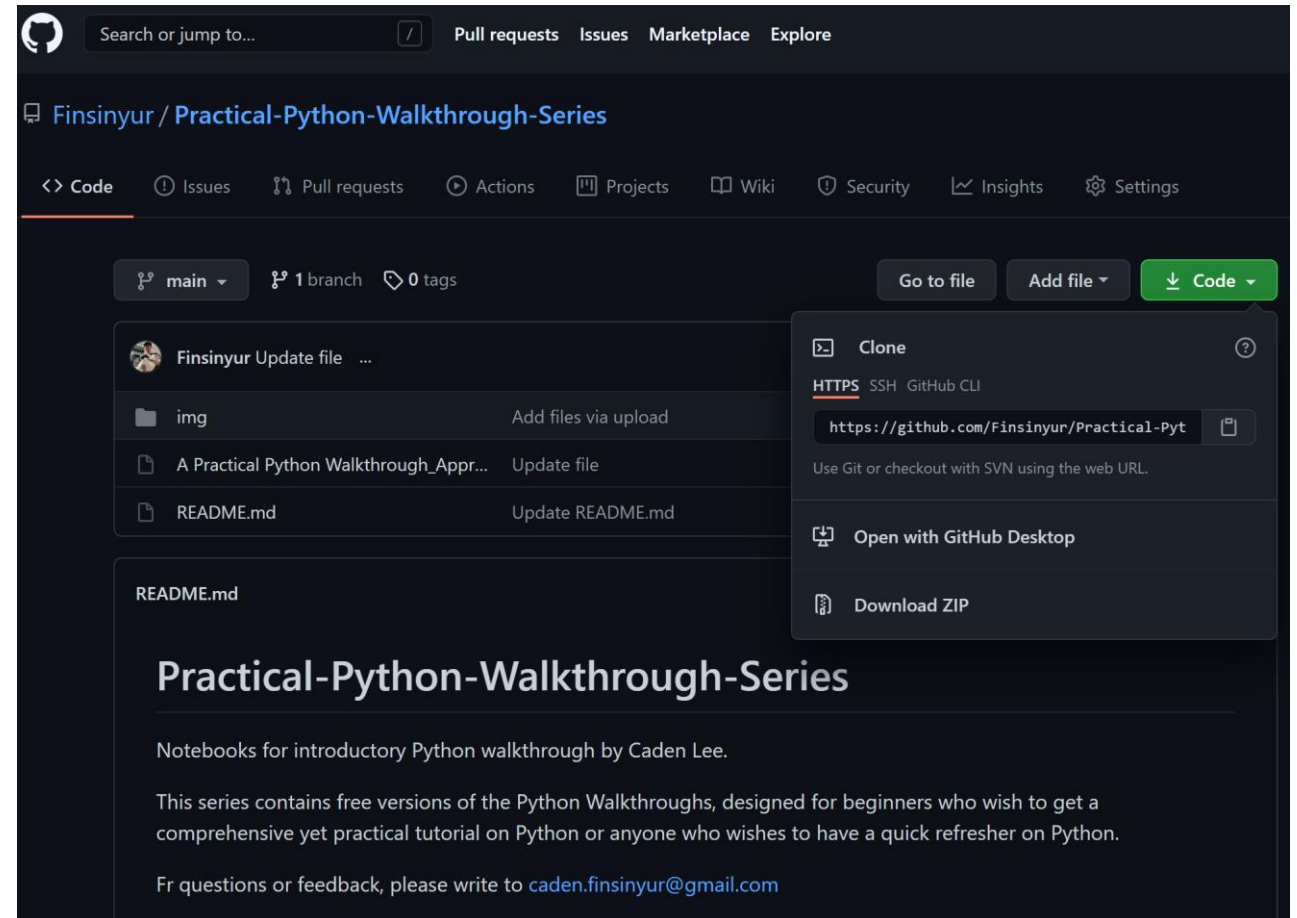
# Step 1 – Go to the GitHub

- Click on this link:  
<https://github.com/Finsinyur/Practical-Python-Walkthrough-Series>
- Click on 'Code' green button, followed by 'Download ZIP'
- Once downloaded, unpack it and save the entire folder in your 'Documents'

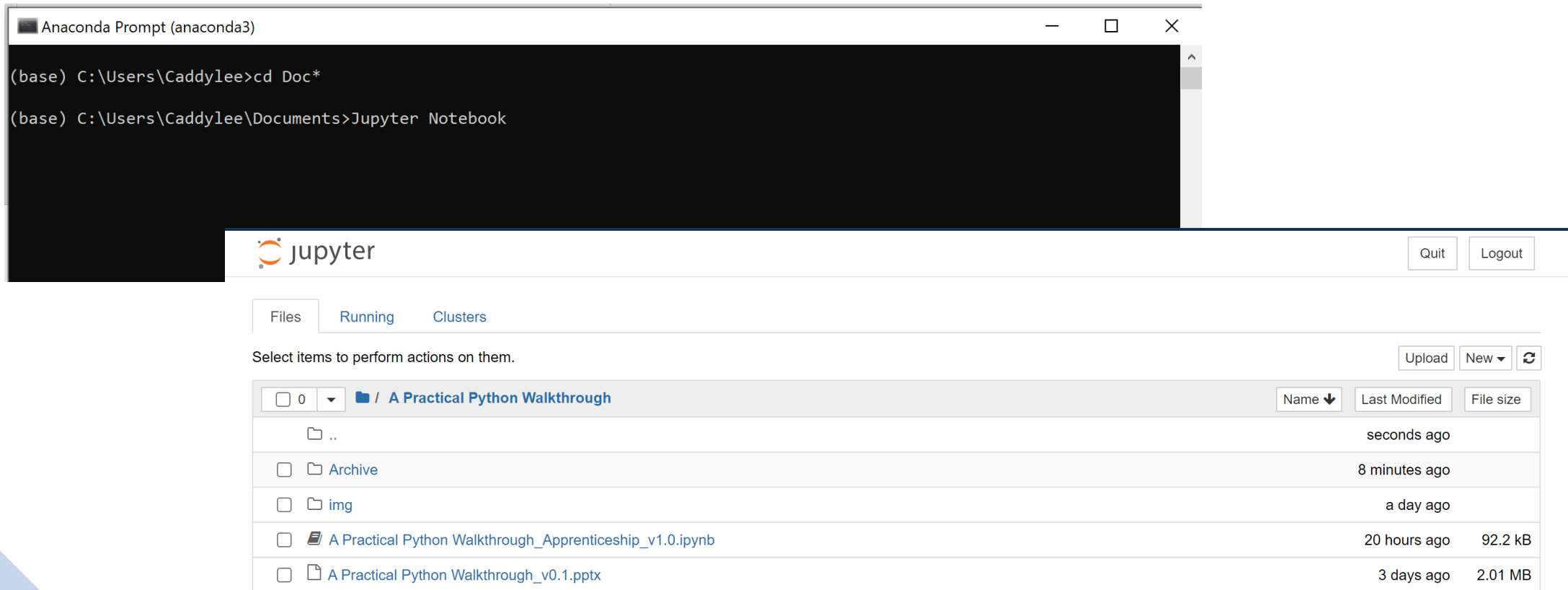


# Step 2 – Activate Jupyter Notebook

- Here you'll need to have downloaded 'Anaconda' – download instructions in next section
- If you are using:
  - Windows: go to your taskbar and search for 'Anaconda Prompt'
  - Macintosh: activate your 'Terminal'
- In your command prompt (anaconda prompt/ terminal), navigate to your 'Documents' and type 'Jupyter Notebook' and press 'Enter'
- Jupyter Notebook will launch on your default browser (see next page)



# Step 2 – Activate Jupyter Notebook (cont.)



The image shows a screenshot of a computer screen. On the left, an Anaconda Prompt window is open, showing the command prompt with the following text:

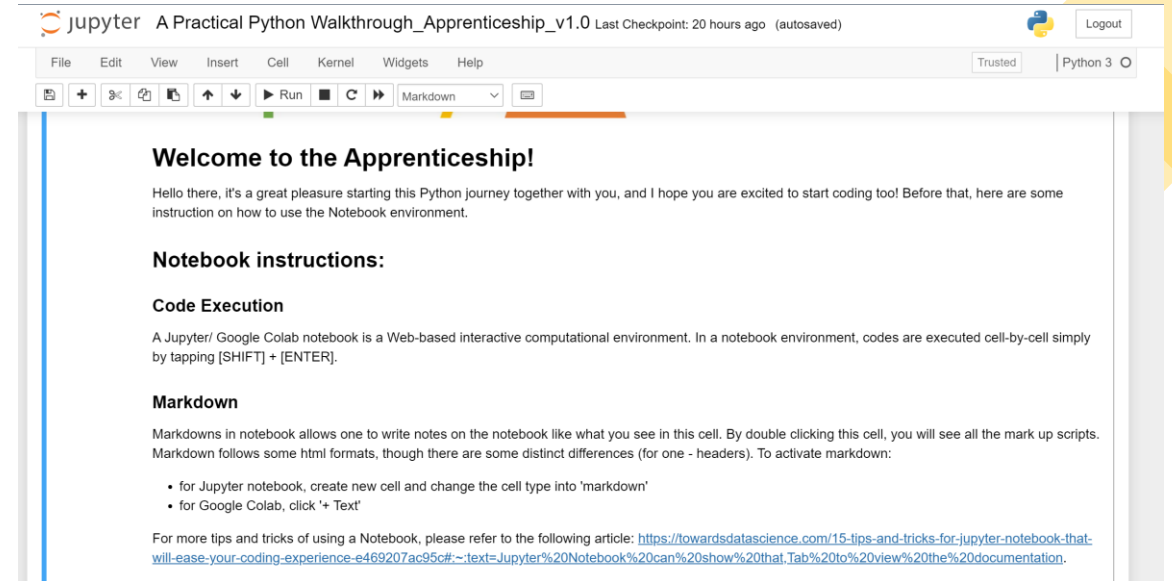
```
Anaconda Prompt (anaconda3)
(base) C:\Users\CaddyLee>cd Doc*
(base) C:\Users\CaddyLee\Documents>Jupyter Notebook
```

On the right, the Jupyter Notebook interface is displayed. The top bar shows the Jupyter logo and the text "jupyter". To the right of the logo are two buttons: "Quit" and "Logout". Below the top bar, there are three tabs: "Files", "Running", and "Clusters". The "Files" tab is selected. Below the tabs, there is a message: "Select items to perform actions on them." To the right of this message are three buttons: "Upload", "New", and a refresh icon. Below this is a table showing the contents of the current directory.

	Name ↓	Last Modified	File size
<input type="checkbox"/> 0	/ A Practical Python Walkthrough		
<input type="checkbox"/>	..	seconds ago	
<input type="checkbox"/>	Archive	8 minutes ago	
<input type="checkbox"/>	img	a day ago	
<input type="checkbox"/>	A Practical Python Walkthrough_Apprenticeship_v1.0.ipynb	20 hours ago	92.2 kB
<input type="checkbox"/>	A Practical Python Walkthrough_v0.1.pptx	3 days ago	2.01 MB

# Step 3 – Open the course book

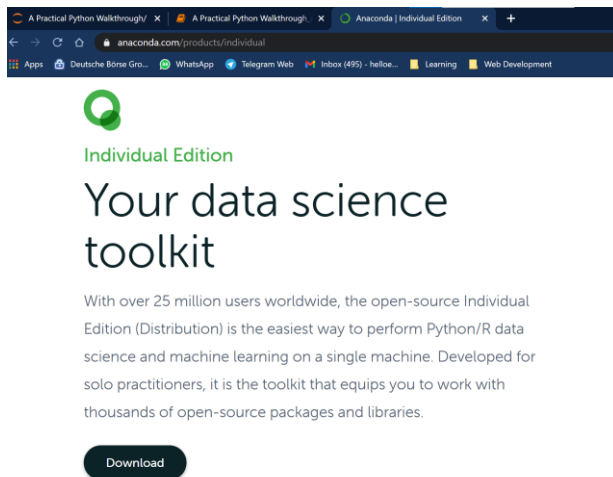
- Within the notebook you are able to navigate to the folder where you saved the coursebook
- Once you found your coursebook, open it on the Jupyter Notebook
- The course book should launch as in the picture on the right
- You may start coding away!



# Setting up your Anaconda

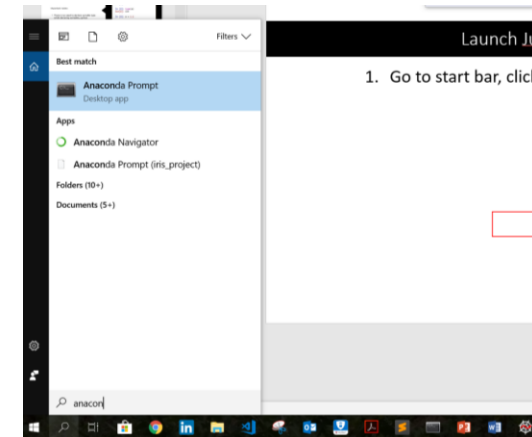
# Download Python Anaconda

1. Go to <https://www.anaconda.com/products/individual>
2. Click on 'Download' – it will lead you to the part of the page where you can find various versions to install
3. Please install the correct version – download the .exe file and start the set up



# Launch Jupyter Notebook

1. Go to start bar, click search and search 'Anaconda Prompt'
2. On Anaconda Prompt, navigate to your Documents and type "Jupyter Notebook"
  - To enter a directory, use 'cd'
  - To make a new directory, use 'mkdir'
  - To list down all available folders and files in a directory, use 'dir'



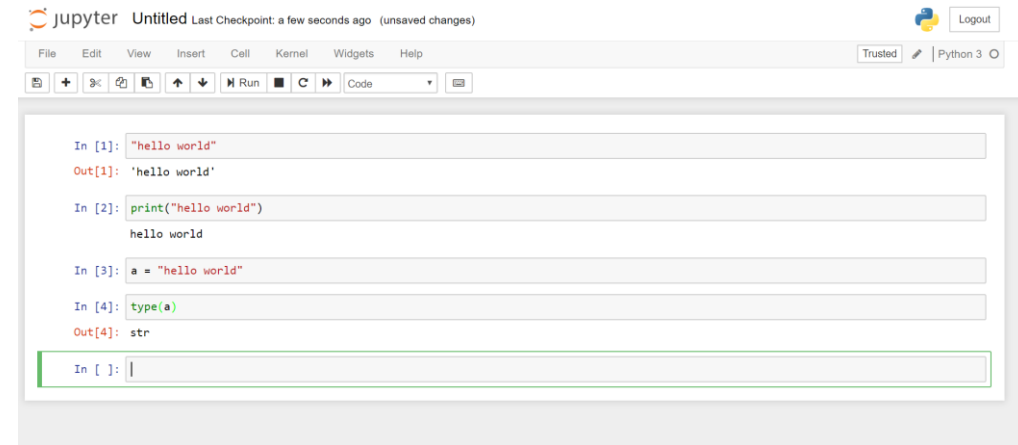
Anaconda Prompt

```
(base) C:\Users\clee0>cd documents  
(base) C:\Users\clee0\Documents>jupyter notebook
```



# Launch Jupyter Notebook

3. Once you launched this page on your browser, click on 'New' -> 'Python 3'
4. The .ipynb (python notebook) file will then be launch, and so now let's code away! :D



# Launch Python Spyder IDE – Anaconda also includes Spyder

1. Go to start bar, click search and search 'Spyder'
2. Launch the app and wait – you should be able to see the IDE (console and editor)
3. Code away!

