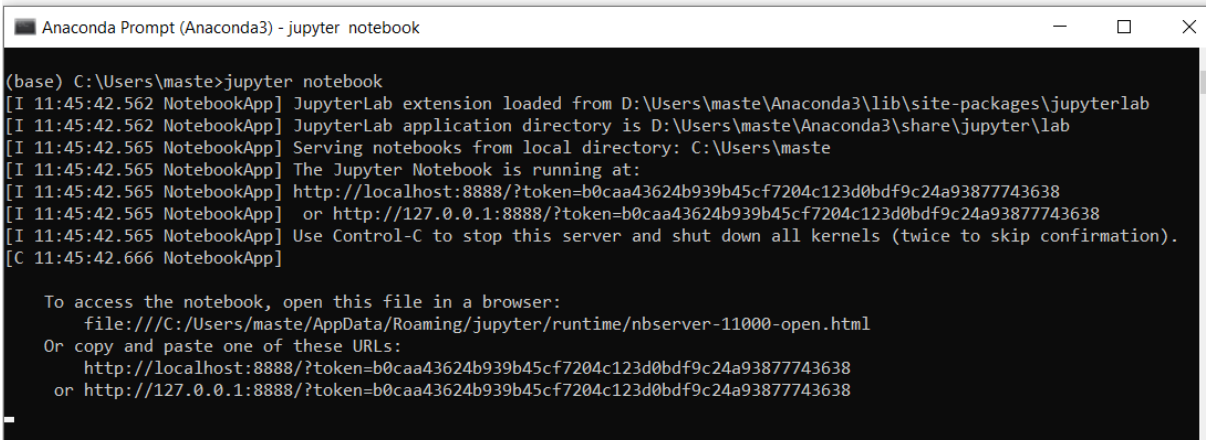
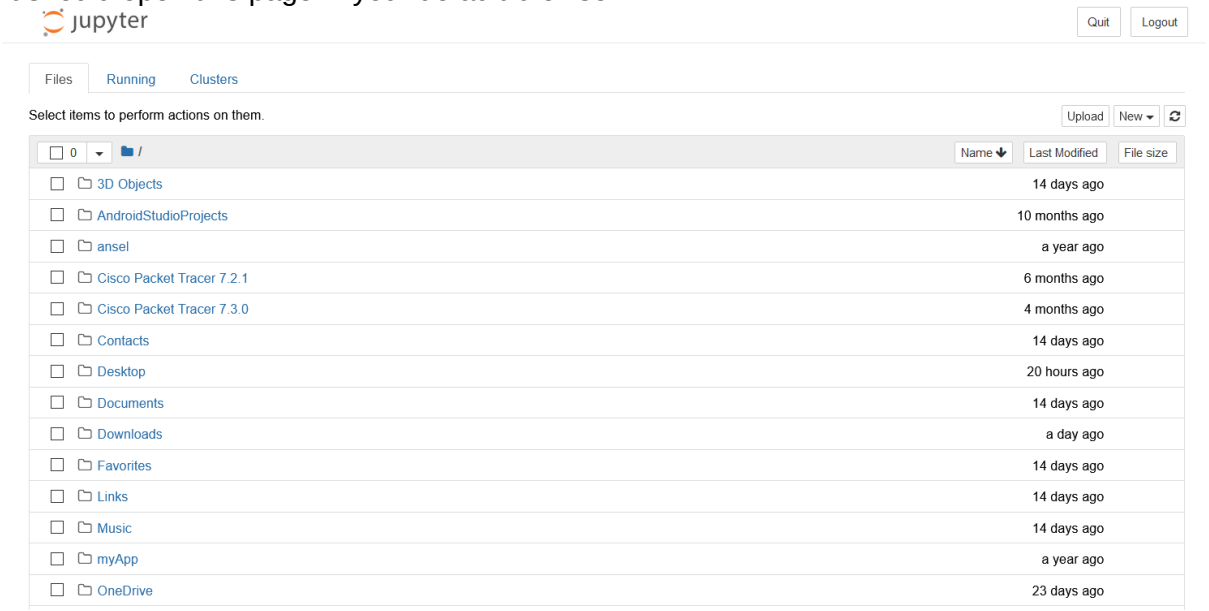
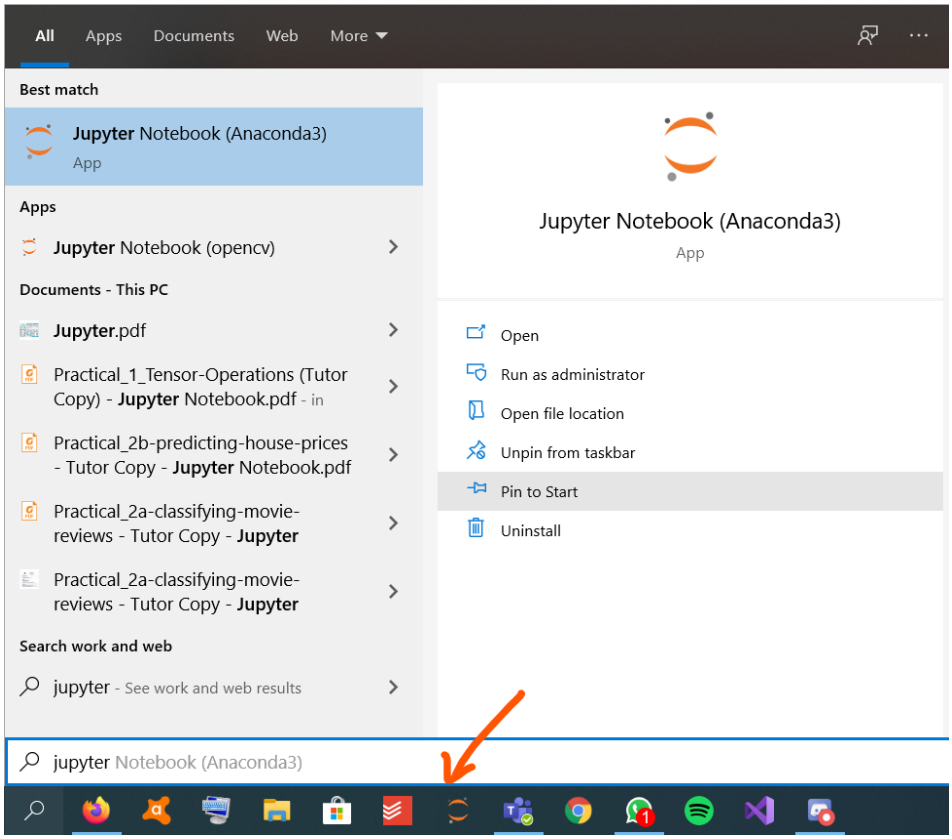
To launch a jupyter notebook from anaconda prompt, simply type jupyter notebook (Make sure you conda activate AIBootcamp before you launch jupyter).



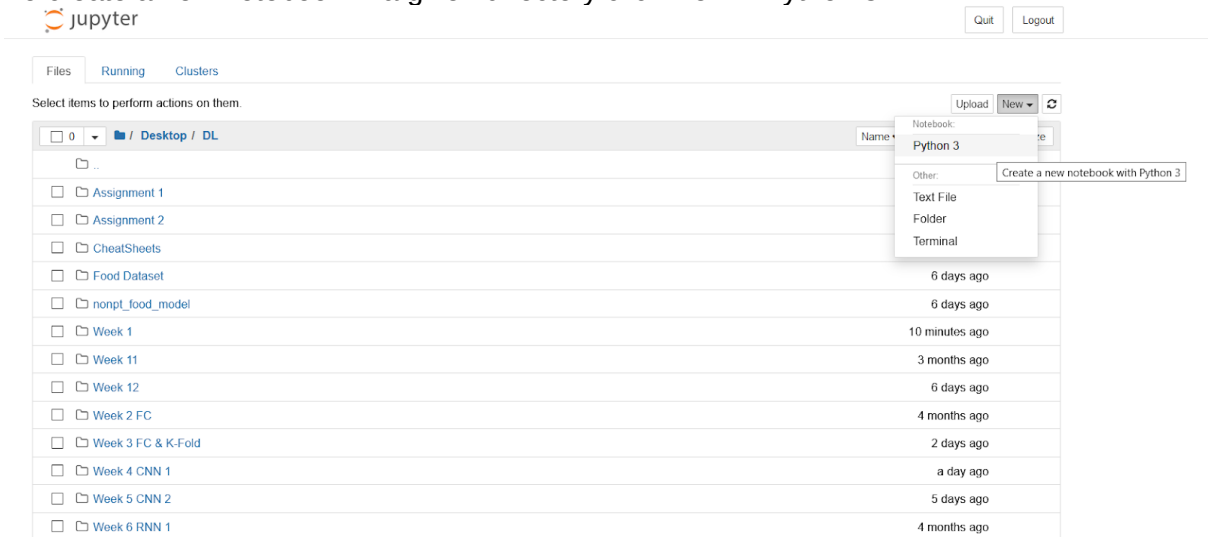
It should open this page in your default browser.



Alternatively, you can create a shortcut in your taskbar (Pin to start)--you guys **should select the Jupyter Notebook(AIBootcamp)** one since you installed all the required packages in that environment.



To create a new notebook in a given directory click New > Python 3



Dataset (for Day 2)

Non-zipped version (for colab):
https://drive.google.com/drive/folders/1PL6LQfkSrxxrBHBfdHxnGDJTbJqiIAGU?usp=sharing

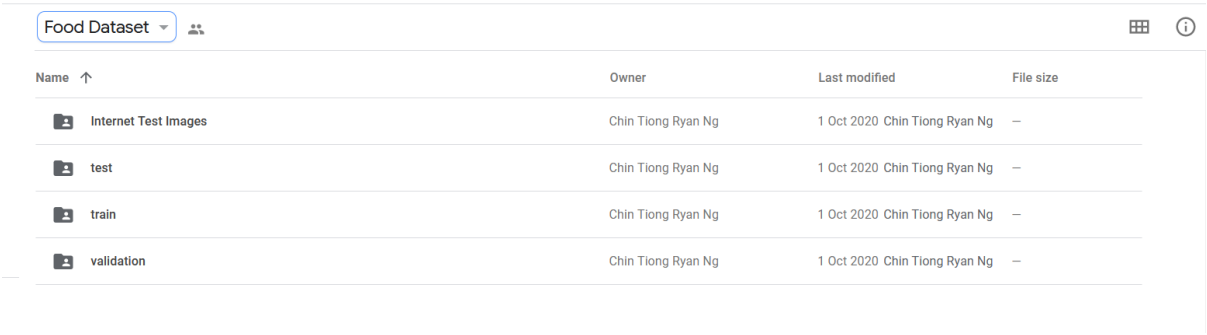
Zipped version (for local download):
https://drive.google.com/file/d/1L0-Z5MQx5FewsCsOc6YQVl89OBqvQxvo/view?usp=sharing

To use colab, read on.

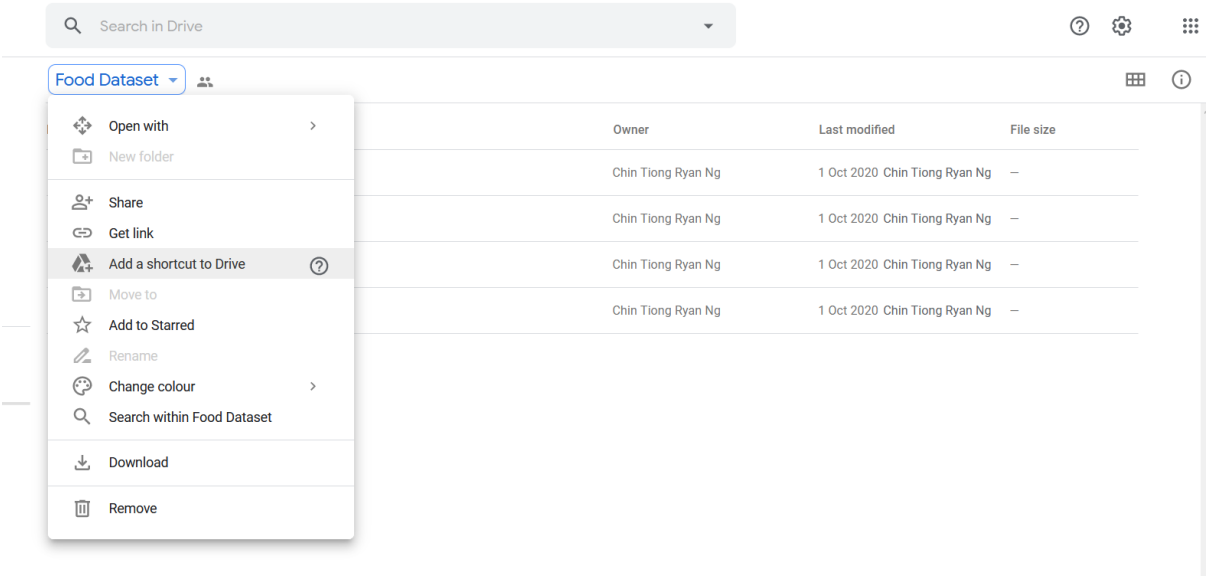
Dataset Setup (colab only)

This is an optional step for those without GPUs. There will be an introduction and a brief demo about it on Day 2.

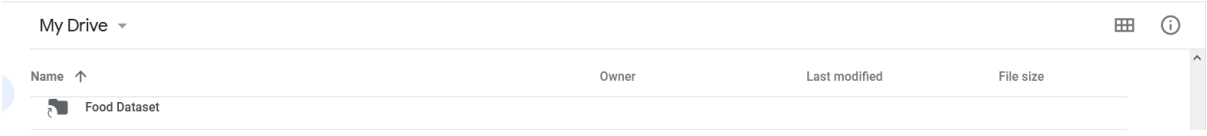
Click the link for the colab dataset above, it will direct you to this page.



Click add a shortcut to drive.



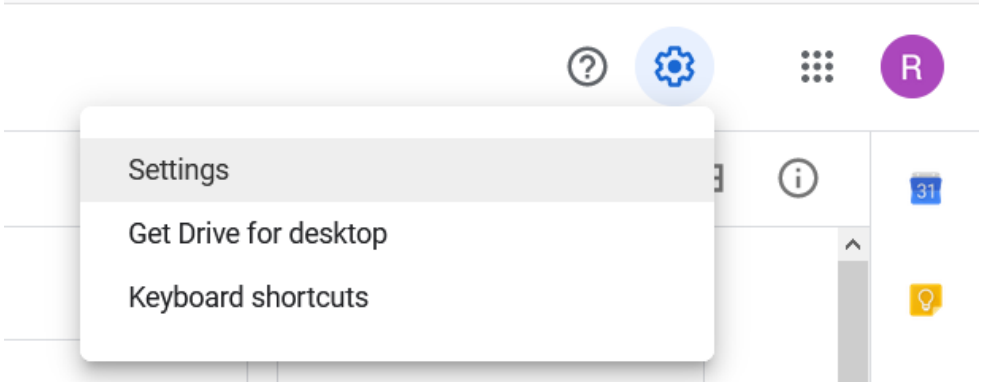
This shortcut should appear in My Drive screen.



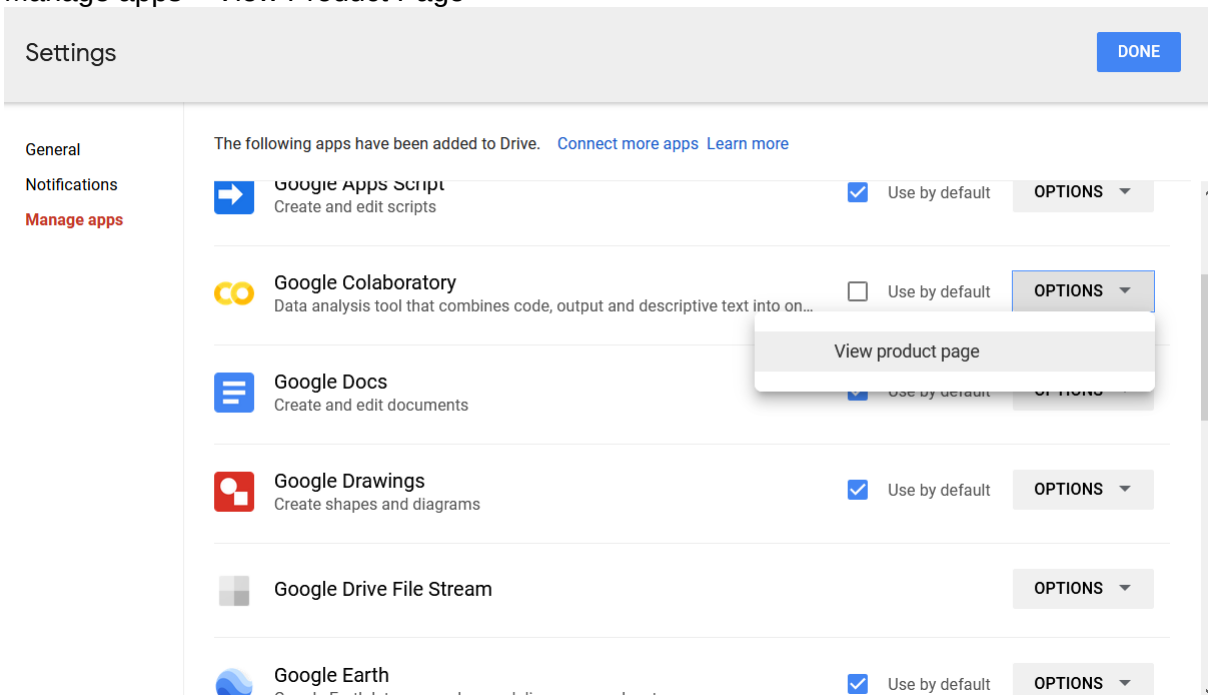
Upload the jupyter notebook given in My Drive and follow the steps below.

Setting up colab

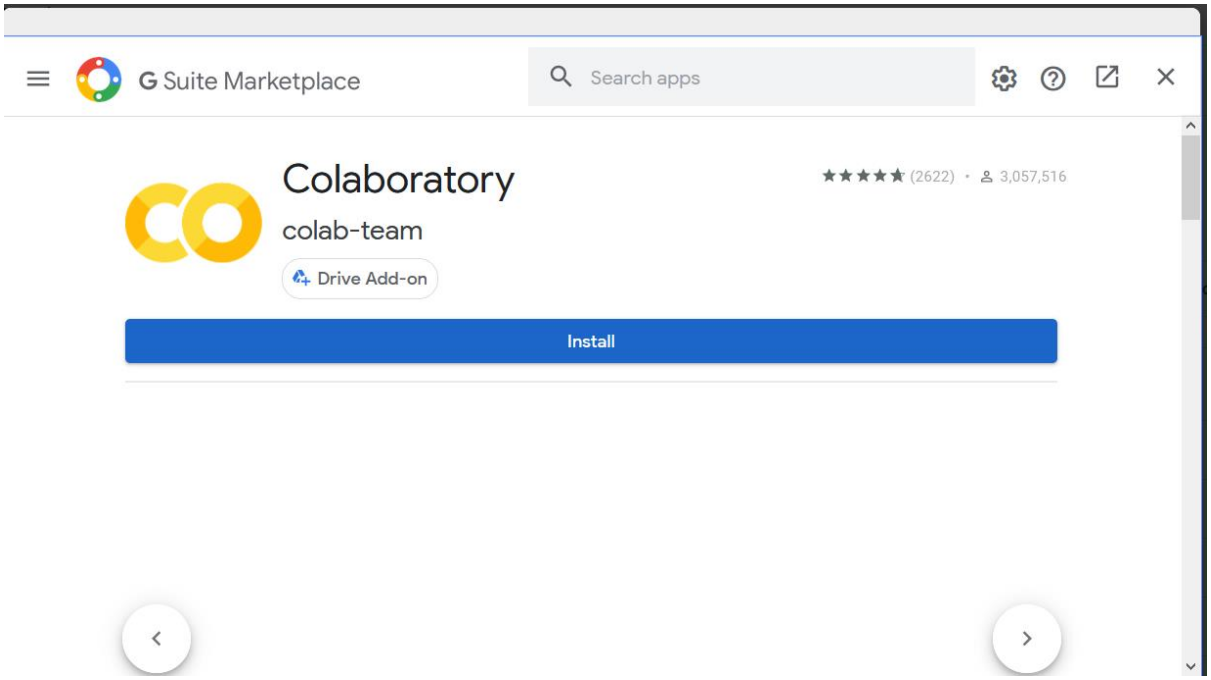
In Google Drive > Click Settings on the top right corner



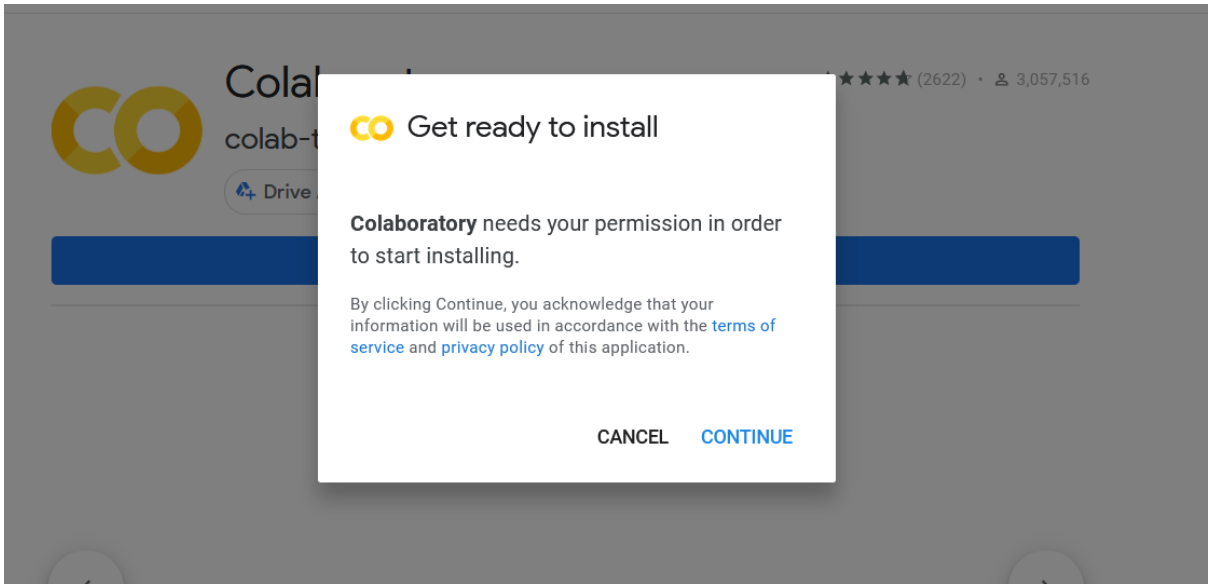
Manage apps > View Product Page



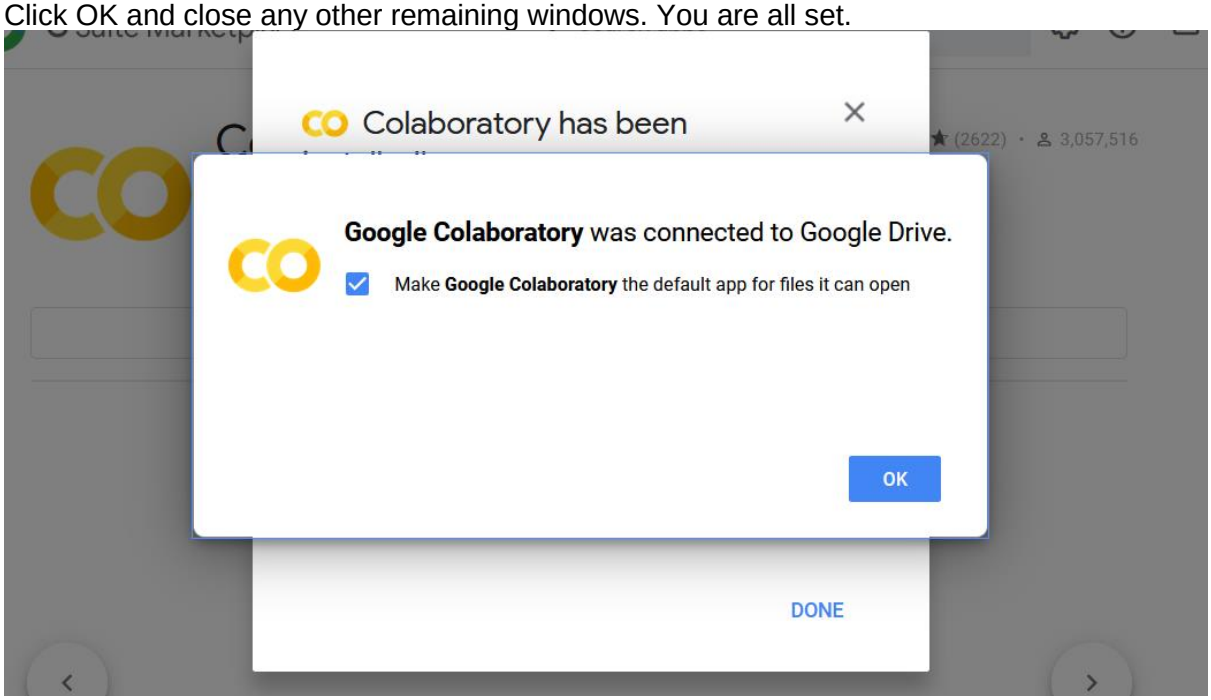
Install



Continue. You will be prompted to sign in.



Click OK and close any other remaining windows. You are all set.



Using Colab (for Day 2 Demo)

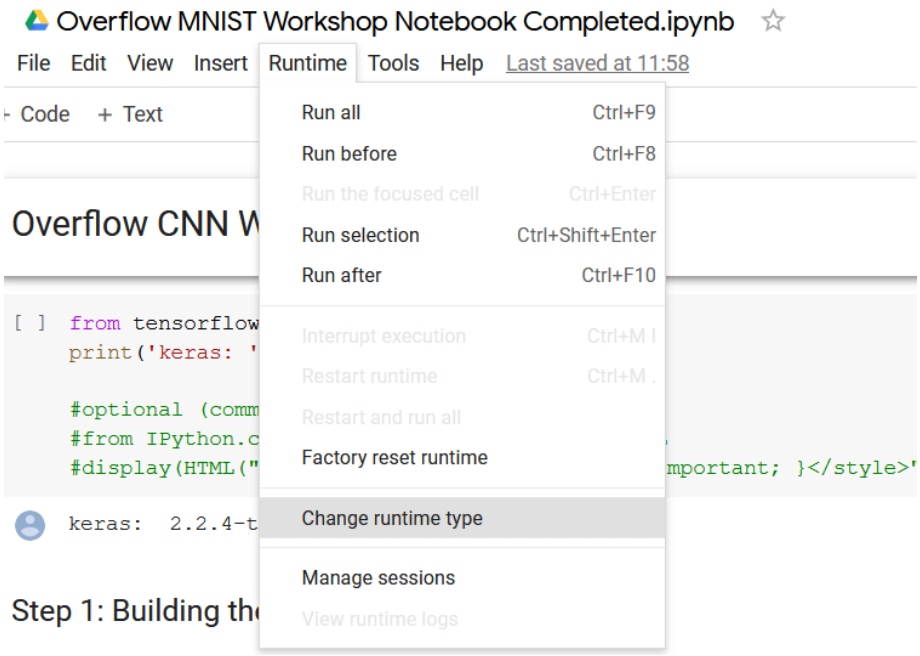
Notebook templates to be provided on the day itself.

Follow this guide for troubleshooting: https://towardsdatascience.com/google-colab-import-and-export-datasets-eccf801e2971

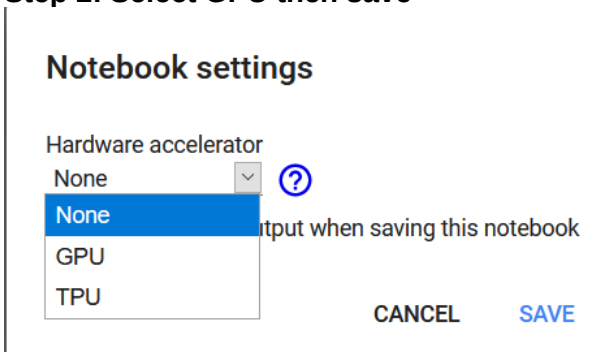
Reference video for getting started:
https://www.youtube.com/watch?v=inN8seMm7UI

Every time you change the runtime (GPU/TPU/none) you will be prompted to re-enter authentication code.

Step 1: Change Runtime type



Step 2: Select GPU then save



Step 3: Uncomment the colab paths and comment out the local path

For google colab. Make sure to change the path `/content/gdrive/My Drive/Food Dataset` based where you stored your folder in google drive (if you moved it). Note that trying to access the folder from "Shared with me" does not work so you will need to add a shortcut to `My Drive`.

```
[ ] from google.colab import drive
    drive.mount("/content/gdrive")
```

```
Mounted at /content/gdrive
```

```
[ ] base_dir = '/content/gdrive/My Drive/Food Dataset'
```

For host system. Change the pathing accordingly.

+ Code + Text

```
[ ] import os

    #base_dir = 'C:/Users/maste/Desktop/DL/Food Dataset'
```

Running the first epoch of model training typically takes rather long (about 10 mins) even with GPU acceleration so please be patient. Thereafter training should average 13-15 sec per epoch. You may reduce the number of epochs from 10 to 5 or reduce the number of Conv Layers if you find it is too time consuming.