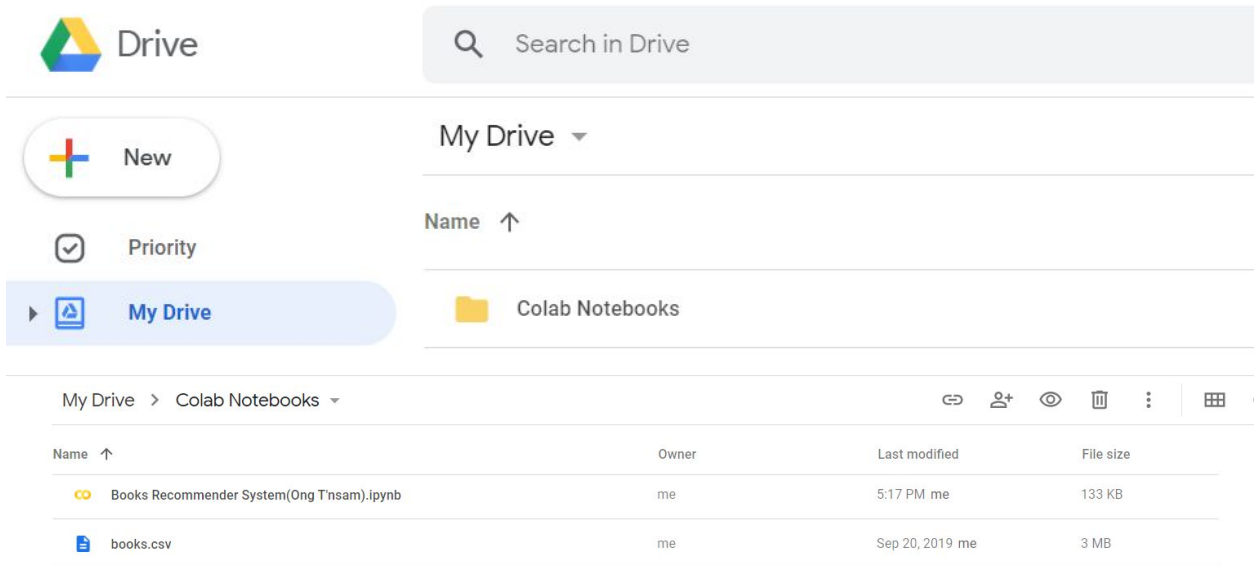
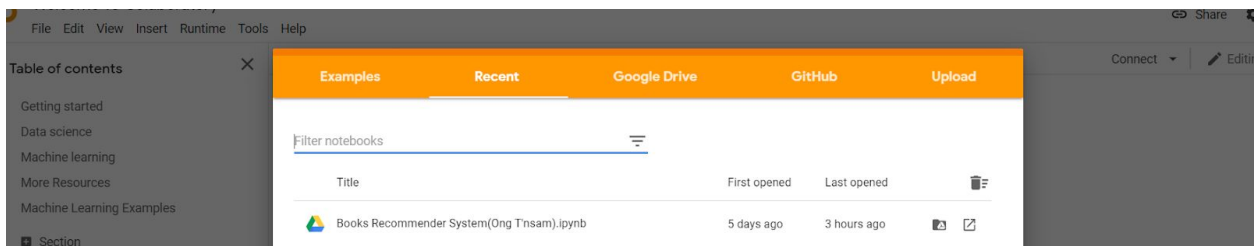


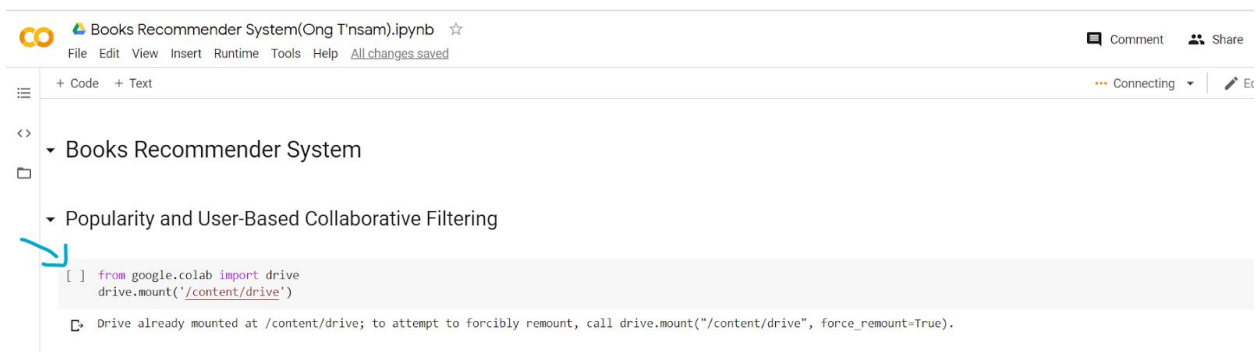
1. Upload the source code(ipynb) file and datasets(.csv) to google drive.



2. Link to open Google Colab
: <https://colab.research.google.com/notebooks/intro.ipynb#recent=true>
3. Choose Google Drive tab and choose the ipynb file.



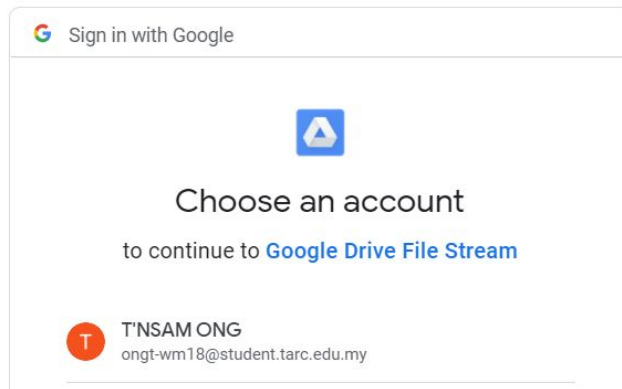
4. Run the code.



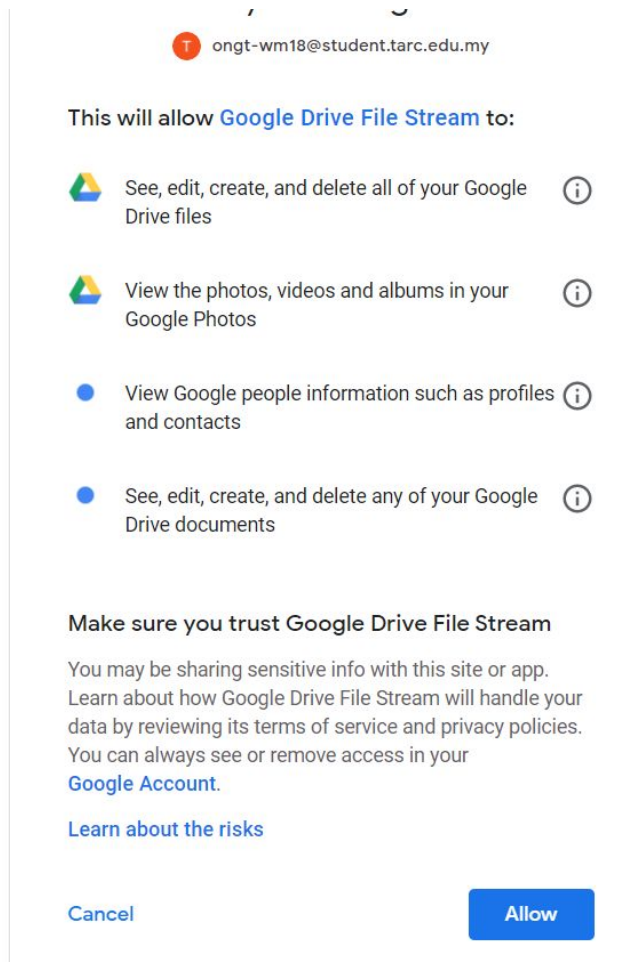
5. Click the link.



6. Choose your google account.



7. Click allow.



8. Copy the link and paste it into the space provided.



Sign in

Please copy this code, switch to your application and paste it there:

4/3wGJ5QLk_XKP4TYSmWiWB6vtUATqiE4kxVznBokneS0GWP
bwpCIxq5Y

```
from google.colab import drive
drive.mount('/content/drive')
```

Go to this URL in a browser: https://accounts.google.com/o/oauth2/auth?client_id=947318989803-6bn6qk8qdgf4n4g3pfee6491hc0brc4i.apps.googleusercontent.com&redirect_uri=https://colab.research.google.com/&response_type=code

Enter your authorization code:

9. Press "Enter".

10. Mounted to Google Drive.

```
from google.colab import drive
drive.mount('/content/drive')
```

Go to this URL in a browser: https://accounts.google.com/o/oauth2/auth?client_id=947318989803-6bn6qk8qdgf4n4g3pfee6491hc0brc4i.apps.googleusercontent.com&redirect_uri=https://colab.research.google.com/&response_type=code

Enter your authorization code:

Mounted at /content/drive

11. Run this code to link the datasets so that the data can be retrieved.

▼ Import libraries and datasets

```
[2] #import libraries
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt

#link to datasets
books = pd.read_csv('drive/My Drive/Colab Notebooks/books.csv')
books = books.drop(['image_url', 'small_image_url', 'title', 'best_book_id', 'isbn', 'isbn13'], axis=1)
ratings_data = pd.read_csv('drive/My Drive/Colab Notebooks/ratings.csv')

#merge the rating with book based on book id
books_data = pd.merge(ratings_data, books, on='book_id')
books_data = books_data.drop(['id', 'work_id', 'language_code', 'work_ratings_count', 'work_text_reviews_count', 'ratings_1', 'ratings_2', 'ratings_3', 'ratings_4', 'ratings_5'], axis=1)

#remove warning message
import warnings
warnings.filterwarnings("ignore")
```