1. **Open the file C:\labs\top250_movies.txt.** Notice it contains the top 250 movies as voted by IMDb online users.

2. Create a script called **display_movies.py** in the **C:\labs**\ folder that will **open** and retrieve the movies one at a time. Display the movies names and remember to **close** the file when finished. Use f-strings to display the movie information.

3. You may have noticed that the movie titles are in lower case. Modify the script so that each word of the movie title is capitalised.

4. Modify the script to display the ranking from 1 to 250 next to the movie title. Use the built-in enumerate() function to generate the ranking.

Stretch

5. Create a new script **C:\labs\movie_data.py**. Using the top 5 movies from the previous exercise, create a LIST called **movies** which has five dictionaries with the following keys "title", "director", and "year" released. Movie information can be found at https://www.imdb.com/.

Write a loop to iterate through the list of dictionaries. Write out the formatted movie information to a file called:

C:\labs\top5_movie_info.txt. Use the print function to write instead of the write() method.

Year should be right justified 10 characters. Title should be proper-cased, and 30 characters left justified. And director right justified by 25 characters. For example:

1994 - Title: The Shawshank Redemption Director: Frank Darabont

1972 - Title: The GodFather Director: Francis Ford Coppola

6. Think how about difficult it would be to reload this information back into a suitable Python data structure. Copy the **C:\labs\movie_data.py** file to **C:\labs\movie_dict.py** and modify the new script to **preserve** the movie list to a compressed pickle file called **C:\labs\top5movies.pgz**. Load the object back into memory and compare with the original movies dictionary [Hint: use pprint].