**Download the dataset from this link for this assignment:**

Dataset Link:<https://www.kaggle.com/PromptCloudHQ/imdb-data/download>

**Answer the following questions:**

1. Load the dataset into Pandas Dataframe. Make column ‘title’ as row label while loading the dataset into dataframe
2. Display first five rows of the dataframe
3. Use .info () function to display the details about your dataset. What do you infer from the output?
4. Print the column names of your dataset.
5. Rename column Revenue (Millions) to Revenue and Runtime (Minutes) to Runtime in your dataset.
6. Calculate the average runtime and average revenue.
7. Find the shortest and longest movies in the dataset.
8. Display the total number of null values found in each column
9. Find the Genre which has the maximum number of movies in the dataset
10. Display the total number of movies in each Genre
11. Extract ‘Genre’ and ‘Rating’ column into a new Dataframe
12. Display all the movies directed by “Christophe Lourdelet”
13. Display all the movies with rating above 8.0
14. Display all the movies that were released between 2008 and 2014 and have a rating above 8.5
15. Create a scatter plot showing the relationship between ratings and revenue