Project Title: Movie Ratings Analysis

Objective:

Analyze a movie ratings dataset to extract insights using Python, NumPy, and Pandas. This project focuses on data manipulation, filtering, and basic analysis.

Dataset:

Use a small movie ratings dataset (e.g.,

[IMDB Dataset] (https://www.kaggle.com/lakshmi25npathi/imdb-dataset-of-50k-movie-reviews) or a sample dataset like [MovieLens](https://www.kaggle.com/rounakbanik/movie-lens-dataset)).

Project Tasks:

1. Basic Python and NumPy

- Task 1.1: Load the dataset and explore it using basic Python and NumPy.
- Calculate basic statistics (mean, median, standard deviation) for ratings.
- Use NumPy arrays for numerical computations.
- **Task 1.2**: Filter the dataset to find:
- Movies with ratings above a certain threshold (e.g., 4 stars).
- Movies from a specific year or genre.

2. Pandas for Data Handling

- Task 2.1: Use Pandas to:
- Read and manipulate the dataset.
- Handle missing data (if any).
- Sort and filter movies based on ratings or genres.
- Task 2.2: Group movies by genre or year and calculate average ratings for each group.