**Data Analysis of Series by using IMDB Data**

**(Coded by M.Essa)**

The goal of this program is to analyze data from a series and display the results in the form of graphs. Here’s a breakdown of its main objectives:

1. **Data Reading**: It reads data from three CSV files: title.basics.csv, title.episode.csv, and title.ratings.csv. The real IMDB data is been reduced because the real data is a very high memory space. Get more precise details on *(https://developer.imdb.com/non-commercial-datasets/)*
2. **Episode Count**: It defines a function to count the number of episodes in a given season of a series.
3. **Average Rating Calculation**: It defines a function to calculate the average rating of a season.
4. **Top 10 Series**: It displays the top 10 series based on average ratings and visualizes this data using a bar graph.
5. **Game of Thrones Analysis**: ( I could take any serise, but I choosed GOT )
   * **Episode Count per Season**: It displays and visualizes the number of episodes in each season of “Game of Thrones”.
   * **Average Rating per Season**: It displays and visualizes the average rating of each season of “Game of Thrones”.