NETFLIX MOVIES AND TV SHOWS DATA ANALYSIS

Data Cleaning & Preprocessing Summary:

- The raw dataset consists of 8807 records with 12 columns and has undergone data cleaning and preprocessing finally the cleaned dataset consist of 8702 with 16 columns.

- Missing values in key columns (director, cast, country, date_added, etc.) were handled thoughtfully:

    o Replaced with 'Unknown' or 'Not Available' for categorical features.

    o date_added was converted to datetime64 for time-based insights after dropping the null values.

- Text normalization was applied using .str.strip(), .str.lower(), or .str.title() for consistency.

- New features like year_added, month_added, day_of_week_added, and duration_minutes, were engineered for deeper insights.

- Ensured all fields were in their correct and most useful formats (e.g., Int64 for years with null safety).

- Saved the cleaned data as netflix_titles_cleaned.csv for the future reference.