M PART 1: Netflix Movies and TV Shows

Dataset Link: Netflix Dataset on Kaggle

II Tasks:

- Load the dataset using pd.read_csv().
- 2. Display the first 5 and last 5 rows.
- 3. How many rows and columns are there in the dataset?
- 4. Identify the number of unique countries where content is produced.
- 5. Display all records where the type is 'TV Show'.
- 6. Convert the date_added column to datetime and extract the year and month.
- 7. How many movies were released in 2019?
- 8. Group by rating and show the count of each category.

M PART 2: World Population Dataset

Dataset Link: World Population Data

II Tasks:

- 1. Load and display the top 10 rows.
- 2. Check for null values and handle them appropriately.
- 3. What is the population of the top 5 most populous countries?
- 4. Create a new column showing GDP per capita (GDP / Population).
- 5. Filter out countries with population > 100 million and area < 500,000 sq km.
- 6. Sort the countries based on density in descending order.

M PART 3: Indian Premier League (IPL) Dataset

M Dataset Link: IPL Dataset

II Tasks:

- 1. Load the matches.csv file.
- 2. Find out the most successful team (based on the number of wins).
- 3. Count total matches played each season.
- 4. Display the top 5 players who won the most "Player of the Match" awards.
- 5. Merge matches.csv and deliveries.csv on match_id and perform analysis.

II PART 4: Students Performance

M Dataset Link: Students Performance Dataset

II Tasks:

- 1. Display average marks in math, reading, and writing.
- 2. Who performed better in writing males or females?
- 3. Add a new column for total score and percentage.
- 4. Plot a bar chart showing average scores grouped by parental level of education.
- 5. Find students who scored above 90% in all subjects.

PART 5: Flight Price Prediction Dataset

M Dataset Link: Flight Price Dataset

🛚 Tasks:

- Display basic info using .info() and .describe().
 Convert date/time columns to appropriate datetime format.
 Create columns for Journey Day and Month.

- 4. Find the most frequent airline and source city.5. Remove any duplicates and handle missing values.