**Netflix Analysis**

**Overview:**

In this project, a comprehensive analysis of Netflix's Movies and TV Shows data using SQL. The goal is to overcome through various insightful outcome and by implementing various business problems on the basis of dataset. The following README file provides a detailed account of business problem with accurate solutions, findings and conclusions.

**Objective:**

* Analysis on the basis of content types (Movies Vs TV Shows)
* Identifying the most common ratings for Movies and TV Shows
* Extracting through various approaches such as release, countries, genre, etc
* Encapsulating the various categories in specific strategy

**Dataset:**

The data has been aquired from Kaggle dataset,

Dataset Link: <https://www.kaggle.com/datasets/shivamb/netflix-shows>

**Business Problems:**

1. Count the number of Movie vs TV Show
2. Find the most common rating for movies and TV Show
3. List all movies released in a specific year (example: 2020)
4. Find the top 5 countries with the most content on Netflix
5. Identify the longest movie
6. Find content added in the last 5 years
7. Find all the movies/TV Shows by director 'Rajiv Chilaka'!
8. List all the TV Shows with more than 5 seasons
9. Count the number of content items in each genre
10. Find each year and the average number of content release by India on Netflix return top 5 years with the highest average content release!
11. List all the movies that are documentaries
12. Find all the content without a director
13. Find how many movies actor 'Salman Khan' appeared in last 10 years
14. Find the top 10 actors who have appeared in the highest number of movies produced in India
15. Categorize the content based on the presence of the keywords 'Kill' and 'Violence' in the description field. label content containing these keywords as 'Bad' and all other content as 'Good'. Count how many items fall into each category.

**Business Solutions:**

The analysis is done with required findings and insightful outcomes to encapsulate compilations of Movies and TV Shows by ratings, contents and regions, etc.

Solutions: <https://github.com/MuhammedYaseen786/Netflix_Analysis/blob/main/Netflix%20Analysis.sql>

**Analysis:**

1. Count the number of Movie vs TV Show

* Movies are the growing segment as compared to TV Shows
* As per analysis, Movies are 6137 with that same count TV Shows are 2676

1. Find the most common rating for movies and TV Show

* The rating among all preferences are same for TV Shows and Movies
* That is, TV-MA which is known as TV for matured audience only (Above 17-18 Age)

1. List all movies released in a specific year (eg: 2020)

* The Movies which are released in 2020, are 517 movies from 8807 movies
* Starting from (Sethum Aayiram Pon) and ending till (Cargo)

1. Find the top 5 countries with the most content on Netflix

* The most content on Netflix is 3211 total contents
* In the region of United States, India, etc

1. Identify the longest movie

* The longest movie common among all movies is 99 min

1. Find content added in the last 5 years

* Around 4084 contents added in last five years concurrently

1. Find all the movies/TV Shows by director 'Rajiv Chilaka'!

* Only movies are directed by ‘Rajiv Chilaka’ for ‘Chhota Bheem’
* Over 22 movies are directed by ‘Rajiv Chilaka’

1. List all the TV Shows with more than 5 seasons

* Almost 99 TV Shows are presented more than 5 seasons

1. Count the number of content items in each genre

* In the Analysis, around 2624 content is based on International Movies
* Sports and fantasy movies are very less in count

1. Find each year and the average number of content release by India on Netflix return top 5 years with the highest average content release!

* In India, the highest average content was released in 2018
* It covers up to 15-20 highest average content

1. List all the movies that are documentaries

* There are various movies as documentaries
* 869 documentaries are presented in movies

1. Find all the content without a director

* The content without a director is counted till 2634 contents

1. Find how many movies actor 'Salman Khan' appeared in last 10 years

* Only two movies are acted by ‘Salman Khan’ in last 10 years potentially
* Namely, Prem Ratan Dhan Payo and Paharganj

1. Find the top 10 actors who have appeared in the highest number of movies produced in India

* In India, Anupam Kher, Shah Rukh Khan, etc are appeared in the highest number of movies.

1. Categorize the content based on the presence of the keywords 'Kill' and 'Violence' in the description field. label content containing these keywords as 'Bad' and all other content as 'Good'. Count how many items fall into each category.

* From 8807 Movies and TV Shows
* Presence of good content is 8465
* Presence of bad content is 342