

INTRODUCTION TO DATABASE MANAGEMENT SYSTEM

PROJECT PART 1

Domain:

Movies on Netflix, Prime Video, Hulu and Disney+
A collection of movies found on these platforms.

Domain Description:

During this pandemic, watching various movies and TV shows has been our favorite pastime. This gave us the opportunity to choose “Movies” as a topic of interest. This dataset consists of information about movies on various platforms including Netflix, Hulu, Amazon Prime and Disney+ with attributes such as title, year of release, IMDb rating, Rotten Tomatoes rating, Age group, name of the director, Genre, Country of Origin, Language and movie run time.

Source of the Dataset:

This dataset has been taken from [www.kaggle.com](https://www.kaggle.com/ruchi798/movies-on-netflix-prime-video-hulu-and-disney). The attributes in the dataset will be modified as per the requirement.

<https://www.kaggle.com/ruchi798/movies-on-netflix-prime-video-hulu-and-disney>

Ingesting Data into the Database:

Following are the listed steps to feed data into the database.

1. Create table structures in the database along with the key constraints
2. Open the .csv file in the excel sheet
3. The excel sheet will be modified according to the table structures.
4. Now using the \copy command, data can be transferred from .csv file to the database.

OR

To make the data available in the database easily a simple python code can be written. However this technique will be done keeping time constraints in mind.

Possible Questions for this Schema:

1. List the movie with the longest duration.
2. List movies released in the 21st century.
3. List movies and their directors whose first name is ‘Stephen’.
4. List name of movies and their years of release by the director Christopher Nolan.
5. List the details of mystery movies released in 2008 available only on Netflix.
6. To display the genre of the movie with shorter duration and country of origin, Spain.
7. List the name of Director with maximum number of movie releases.

8. List the details of movies that are made for the age group older than 7 and younger than 13.
9. List the platforms that have movies available for kids under 7 (age = 'all').
10. List the year, genre and language of movies released in other countries and not in the USA.
11. Count of movies that are available on all platforms (Netflix, Hulu, Prime, Disney+)
12. List the best IMDb rated movies (above 7.8).
13. List the years of the lowest rated (IMDb and Rotten Tomatoes) Indian movies that were released.
14. List name of Directors and their movies released in more than 2 languages.
15. List of details of a movie of a Biography genre.
16. List the most famous director who makes movies in the comical genre. Return the name and duration of the movie.
17. List the oldest Chinese Action movie.
18. Count of best rated Romantic movies of the decade available on Amazon Prime.
19. List the availability of the movie "The Little Mermaid" on all the platforms.
20. List the Id and titles of movies with runtime duration of 100 mins.