# **Assignment**

**Objective:**

The objective is to use MySQL queries to perform advanced filtering, grouping, and sorting on the Netflix Originals dataset.

1. Retrieve all Netflix Originals with an IMDb score greater than 7, runtime greater than 100 minutes, and the language is either English or Spanish.

SELECT \*

FROM Netflix\_Originals

WHERE IMDB\_score > 7

AND Runtime > 100

AND Language IN ('English', 'Spanish');

1. Find the total number of Netflix Originals in each language, but only show those languages that have more than 5 titles.

SELECT Language, COUNT(\*)

FROM Netflix\_Originals

GROUP BY Language

HAVING COUNT(\*) > 5;

1. Get the top 3 longest-running movies in Hindi language sorted by IMDb score in descending order.

SELECT Runtime, Language, IMDB\_score

FROM Netflix\_Originals

WHERE Language = 'Hindi'

ORDER BY Runtime DESC, IMDB\_score DESC

LIMIT 3;

4.Retrieve all titles that contain the word "House" in their name and have an IMDb score greater than 6.

SELECT Title, IMDB

FROM Netflix\_Originals

WHERE Title IN ('House')

AND IMDB > 6;

5.Find all Netflix Originals released between the years 2018 and 2020 that are in either English, Spanish, or Hindi.

SELECT \*

FROM Netflix\_Originals

WHERE Language IN ('English', 'Spanish', 'Hindi')

AND Premiere\_Date BETWEEN 2018 AND 2020;

6. Find all movies that either have a runtime less than 60 minutes or an IMDb score less than 5, sorted by Premiere Date.

SELECT \*

FROM Netflix\_Originals

WHERE Runtime > 60

OR IMDB\_score > 5

ORDER BY Premiere\_Date;

7. Get the average IMDb score for each genre where the genre has at least 10 movies.

SELECT Genre, AVG(IMDB\_score) AS AverageScore, COUNT(GenreID) AS TotalGenre

FROM Netflix\_Originals

GROUP BY Genre

HAVING COUNT(GenreID) >= 10

LIMIT 10;

8. Retrieve the top 5 most common runtimes for Netflix Originals.

SELECT \*

FROM Netflix\_Originals

ORDER BY Runtime DESC

LIMIT 5;

9. List all Netflix Originals that were released in 2020, grouped by language, and show the total count of titles for each language.

SELECT \*

FROM Netflix\_Originals

WHERE YEAR(Premiere\_Date) = 2020

GROUP BY Language;

10. Create a new table that enforces a constraint on the IMDb score to be between 0 and 10 and the runtime to be greater than 30 minutes.

CREATE TABLE constraints\_on\_IMDB\_score\_and\_Runtime (

GenreID INT PRIMARY KEY,

Title VARCHAR(255) NOT NULL,

IMDB\_score DECIMAL(3, 1) CHECK (IMDB\_score BETWEEN 0 AND 10),

Runtime INT CHECK (Runtime > 30),

Language VARCHAR(50),

Premiere\_date DATE

);