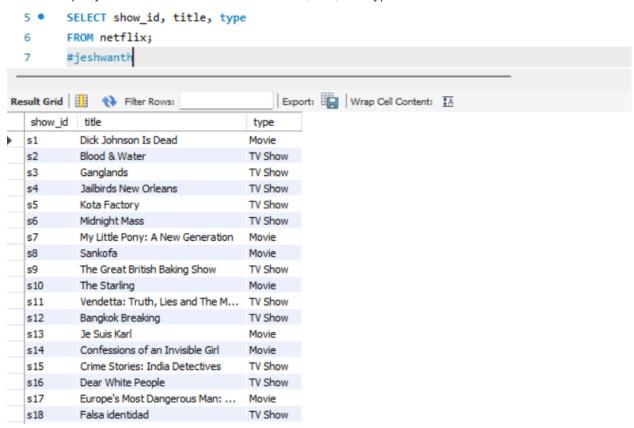
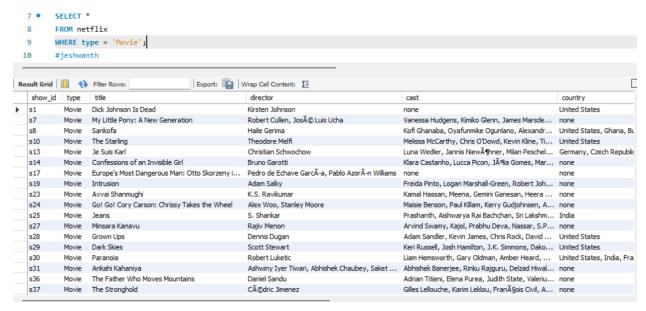
**DS-09** 

## SQL MCT Netflix Movies Data Analysis in SQL

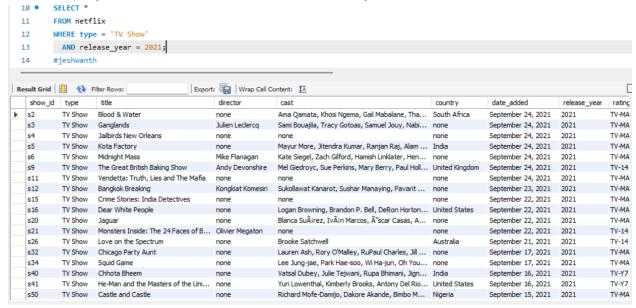
1. Write a query to list all titles with their show\_id, title, and type.



2. Write a query to display all columns for titles that are Movies.



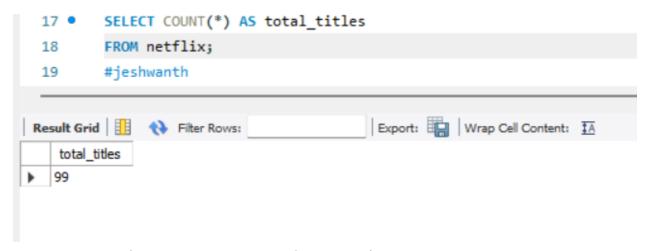
3. Write a query to list TV shows that were released in the year 2021.



4. Write a query to find all titles where the description contains the word family.



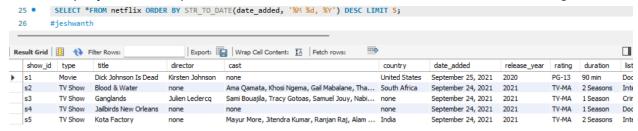
5. Write a guery to count the total number of titles in the dataset.



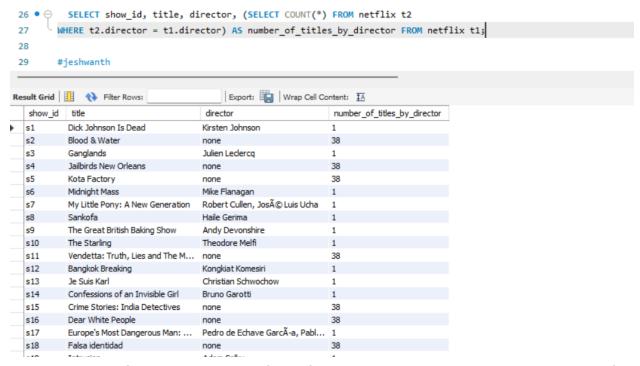
6. Write a query to find the average duration of all movies (in minutes, wherever the season is mentioned, consider 400 minutes per season).



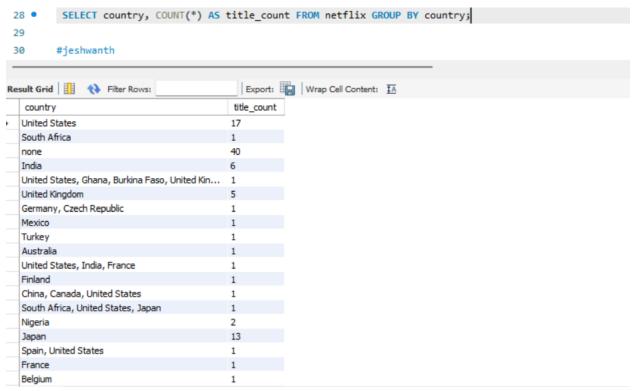
7. Write a query to list the top 5 latest titles based on the date\_added, sorted in descending order.



8. Write a query to list all titles along with the number of other titles by the same director. Include columns for show\_id, title, director, and number\_of\_titles\_by\_director.



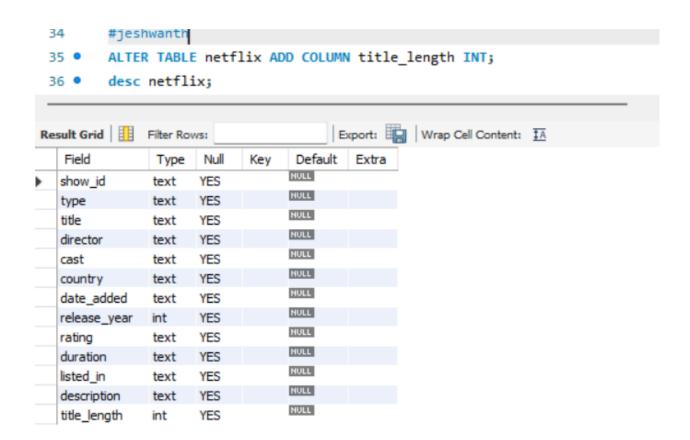
9. Write a query to find the total number of titles for each country. Display country and the count of titles.



10. Write a query using a CASE statement to categorize titles into three categories based on their rating: Family for ratings G, PG, PG-13, Kids for TV-Y, TV-Y7, TV-G, and Adult for all other ratings.

```
29 • ⊖ SELECT title, rating,
 30
         WHEN rating IN ('G', 'PG', 'PG-13') THEN 'Family'
         WHEN rating IN ('TV-Y', 'TV-Y7', 'TV-G') THEN 'Kids'
 31
         ELSE 'Adult'
 32
         END AS category FROM netflix;
 33
 34
         #jeshwanth
                                            Export: Wrap Cell Content: IA
category
                               rating
  Dick Johnson Is Dead
                              PG-13
                                      Family
  Blood & Water
                              TV-MA
                                      Adult
  Ganglands
                                      Adult
                              TV-MA
                                      Adult
  Jailbirds New Orleans
                              TV-MA
  Kota Factory
                              TV-MA
                                      Adult
  Midnight Mass
                              TV-MA Adult
  My Little Pony: A New Generation
                              PG
                                      Family
  Sankofa
                              TV-MA Adult
  The Great British Baking Show
                              TV-14
                                      Adult
  The Starling
                              PG-13
                                      Family
  Vendetta: Truth, Lies and The M... TV-MA
                                      Adult
  Bangkok Breaking TV-MA Adult
  Je Suis Karl
                              TV-MA Adult
  Confessions of an Invisible Girl TV-PG Adult
  Crime Stories: India Detectives
                                     Adult
                              TV-MA
  Dear White People
                             TV-MA Adult
  Europe's Most Dangerous Man: ... TV-MA Adult
  Falsa identidad
                              TV-MA Adult
  Intrusion
                              TV-14
                                     Adult
```

11. Write a query to add a new column title\_length to the titles table that calculates the length of each title.



12. Write a query using an advanced function to find the title with the longest duration in minutes.

```
36 •
          SELECT title,

⊖ CASE

 37
     ♦ WHEN duration LIKE '%Season%' THEN CAST(LEFT(duration, LOCATE(' ', duration) - 1)
 38
        AS UNSIGNED) * 400
 39
        ELSE CAST(LEFT(duration, LOCATE(' ', duration) - 1) AS UNSIGNED)
 40
        END AS duration in minutes FROM netflix ORDER BY duration in minutes DESC LIMIT 1;
 41
        #jeshwanth
                                        Export: Wrap Cell Content: A Fetch rows:
duration_in_minutes
▶ The Great British Baking Show
```

13. Create a view named RecentTitles that includes titles added in the last 30 days.

```
42 • CREATE VIEW Recent|Titles

43 AS SELECT *FROM netflix

44 WHERE STR_TO_DATE(date_added, '%M %d, %Y') >= CURDATE() - INTERVAL 30 DAY;

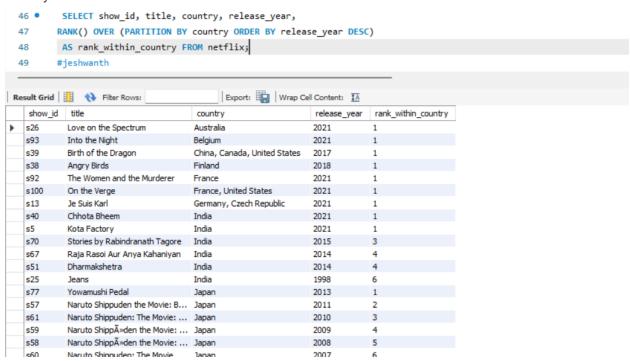
45 • show tables;

46 #jeshwanth

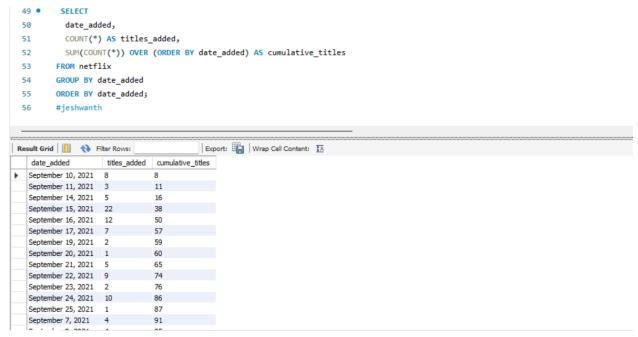
Result Grid | Filter Rows: | Export: | Wrap Cell Content: IA

| Tables_in_netflix | netflix | recentitiles
```

14. Write a query using a window function to rank titles based on their release\_year within each country.



15. Write a query to calculate the cumulative count of titles added each month sorted by date\_added.



16. Write a stored procedure to update the rating of a title given its show\_id and new rating.

```
DELIMITER //CREATE PROCEDURE UpdateRating(IN p_show_id VARCHAR(10), IN p_new_rating

VARCHAR(10))BEGIN

UPDATE netflix SET rating = p_new_rating WHERE show_id = p_show_id;

END //DELIMITER;

#jeshwanth
```

17. Write a query to find the country with the highest average rating for titles. Use subqueries and aggregate functions to achieve this.

```
5 • ⊝
          SELECT country, AVG(
  7
        WHEN rating LIKE 'TV%' THEN NULL
        WHEN rating = 'G' THEN 1
  8
  9
        WHEN rating = 'PG' THEN 2
 10
        WHEN rating = 'PG-13' THEN 3
        WHEN rating = 'R' THEN 4
 11
 12
        ELSE 5
       END) AS avg_rating FROM netflix GROUP BY country ORDER BY avg_rating DESC LIMIT 1;
Result Grid Filter Rows:
                                        Export: Wrap Cell Content: A Fetch rows:
   country
                            avg_rating
▶ South Africa, United States, Japan 4.0000
```

18. Write a query to find pairs of titles from the same country where one title has a higher rating than the other. Display columns for show\_id\_1, title\_1, rating\_1, show\_id\_2, title\_2, and rating\_2.

```
14 • SELECT t1.show_id AS
 15
        show_id_1, t1.title AS title_1, t1.rating AS rating_1,
        t2.show_id AS show_id_2, t2.title AS title_2, t2.rating AS rating_2
 16
        FROM netflix t1 JOIN netflix t2 ON t1.country = t2.country AND t1.rating > t2.rating;
 17
 18
         #jeshwanth
Result Grid H The Filter Rows:
                                          Export: Wrap Cell Content: IA
                                                                                        rating_2
   show_id_1 title_1
                                                   rating_1 show_id_2 title_2
                                                   TV-Y7
                                                           s1
                                                                      Dick Johnson Is Dead
  s97
            If I Leave Here Tomorrow: A Film About Lynyrd ... TV-MA s1
                                                                   Dick Johnson Is Dead PG-13
  s83
            Lucifer
                                                                      Dick Johnson Is Dead PG-13
  s82
                                                                  Dick Johnson Is Dead PG-13
           Kate
                                                  R
                                                          s1
            Saved by the Bell
                                                  TV-PG
                                                                     Dick Johnson Is Dead PG-13
  s68
                                                           s1
  s56
            Nailed It
                                                  TV-PG s1 Dick Johnson Is Dead PG-13
  s49
            Training Day
                                                                     Dick Johnson Is Dead PG-13
                                                  R
                                                           s1
                                                                  Dick Johnson Is Dead PG-13
  s41
            He-Man and the Masters of the Universe
                                                  TV-Y7
                                                          s1
            Dear White People
  s16
                                                   TV-MA
                                                                     Dick Johnson Is Dead PG-13
                                                           s1
  s90
           Mighty Raju
                                                  TV-Y7
                                                         s3
                                                                   Ganglands TV-MA
  s88
             Titipo Titipo
                                                   TV-Y
                                                           s3
                                                                      Ganglands
            PokÃ@mon Master Tourneys: The Series
                                                  TV-Y7
                                                         s3
  s86
                                                                     Gandlands
                                                                                       TV-MA
Result 33 ×
```