

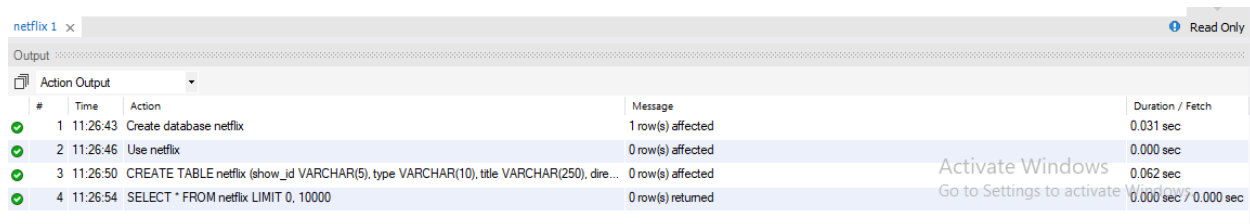
Create database netflix;

Use netflix;

DROP TABLE IF EXISTS netflix;

-- creating a table called netflix

```
CREATE TABLE netflix (show_id VARCHAR(5), type VARCHAR(10), title VARCHAR(250),  
director VARCHAR(550), casts VARCHAR(1050), country VARCHAR(550), date_added  
VARCHAR(55), release_year INT, rating VARCHAR(15), duration VARCHAR(15), listed_in  
VARCHAR(250), description VARCHAR(550));
```

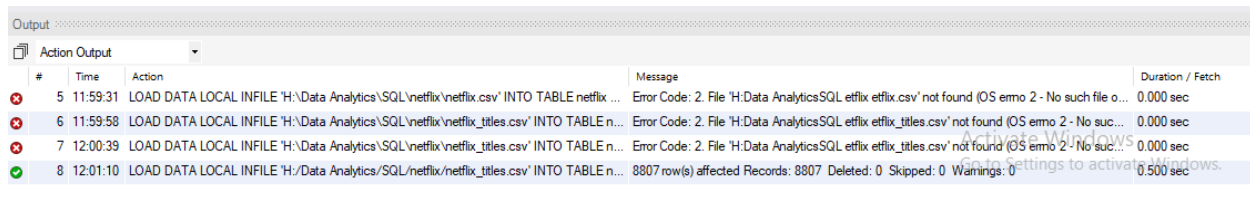


#	Time	Action	Message	Duration / Fetch
1	11:26:43	Create database netflix	1 row(s) affected	0.031 sec
2	11:26:46	Use netflix;	0 row(s) affected	0.000 sec
3	11:26:50	CREATE TABLE netflix (show_id VARCHAR(5), type VARCHAR(10), title VARCHAR(250), dire...	0 row(s) affected	0.062 sec
4	11:26:54	SELECT * FROM netflix LIMIT 0, 10000	0 row(s) returned	0.000 sec / 0.000 sec

-- import data from CSV file

SET GLOBAL local\_infile = 1;

```
LOAD DATA LOCAL INFILE 'H:/Data Analytics/SQL/netflix/netflix_titles.csv'  
INTO TABLE netflix  
FIELDS TERMINATED BY ','  
ENCLOSED BY '"'  
LINES TERMINATED BY '\n'  
IGNORE 1 LINES;
```



#	Time	Action	Message	Duration / Fetch
5	11:59:31	LOAD DATA LOCAL INFILE 'H:\Data Analytics\SQL\netflix\netflix.csv' INTO TABLE netflix ...	Error Code: 2. File 'H:\Data Analytics\SQL\netflix\netflix.csv' not found (OS error 2 - No such file or directory).	0.000 sec
6	11:59:58	LOAD DATA LOCAL INFILE 'H:\Data Analytics\SQL\netflix\netflix_titles.csv' INTO TABLE netflix ...	Error Code: 2. File 'H:\Data Analytics\SQL\netflix\netflix_titles.csv' not found (OS error 2 - No such file or directory).	0.000 sec
7	12:00:39	LOAD DATA LOCAL INFILE 'H:\Data Analytics\SQL\netflix\netflix_titles.csv' INTO TABLE netflix ...	Error Code: 2. File 'H:\Data Analytics\SQL\netflix\netflix_titles.csv' not found (OS error 2 - No such file or directory).	0.000 sec
8	12:01:10	LOAD DATA LOCAL INFILE 'H:/Data Analytics/SQL/netflix/netflix_titles.csv' INTO TABLE netflix ...	8807 row(s) affected Records: 8807 Deleted: 0 Skipped: 0 Warnings: 0	0.500 sec

-- Data uploaded successfully

SELECT \* FROM netflix;



show_id	type	title	director	casts	country	date_added
s1	Movie	Dick Johnson Is Dead	Kirsten Johnson		United States	September 25, 2019
s2	TV Show	Blood & Water		Ama Qamata, Khosi Ngema, Gail Mablane, Thando Mtshali	South Africa	September 24, 2019
s3	TV Show	Ganglands	Julien Lederer	Sami Bouajila, Tracy Gotoas, Samuel Jouy, Naboukha		September 24, 2019
s4	TV Show	Jailbirds New Orleans				September 24, 2019
s5	TV Show	Kota Factory		Mayur More, Jitendra Kumar, Ranjan Raj, Alam Khan	India	September 24, 2019
s6	TV Show	Midnight Mass	Mike Flanagan	Kate Siegel, Zach Gilford, Hamish Linklater, Henry Thomas		September 24, 2019
s7	Movie	My Little Pony: A New Generation	Robert Cullen, JosÃ© Luis Ucha	Vanessa Hudgens, Kimiko Glenn, James Marsden		September 24, 2019
s8	Movie	Sankofa	Haile Gerima	Kofi Ghanaba, Oyafunmike Ogunlano, Alexandru	United States, Ghana, Burkina Faso, United Kingdom	September 24, 2019
s9	TV Show	The Great British Baking Show	Andy Devonshire	Mel Giedroyc, Sue Perkins, Mary Berry, Paul Hollywood	United Kingdom	September 24, 2019
s10	Movie	The Starling	Theodore Melfi	Melissa McCarthy, Chris O'Dowd, Kevin Kline, Tim Allen	United States	September 24, 2019
s11	TV Show	Vendetta: Truth, Lies and The M...				September 24, 2019
s12	TV Show	Bangkok Breaking	Kongkiat Komesiri	Sukollawat Kanarot, Sushar Manaying, Pavarit ...		September 23, 2019
s13	Movie	Je Suis Karl	Christian Schwachow	Luna Wedler, Jannis Niewöhner, Milan Peschel...	Germany, Czech Republic	September 23, 2019
s14	Movie	Confessions of an Invisible Girl	Bruno Garotti	Klara Castanho, Lucca Picon, JÃ¶hanna Gomes, Mar...		September 22, 2019
s15	TV Show	Crime Stories: India Detectives				September 22, 2019
s16	TV Show	Dear White People		Logan Browning, Brandon P. Bell, DeRon Horton...	United States	September 22, 2019
s17	Movie	Europe's Most Dangerous Man: ...	Pedro de Echave GarcÃ-a, Pabl...			September 22, 2019

-- Finding no\_of\_missing\_values

SELECT

SUM(CASE WHEN show\_id IS NULL OR show\_id = " THEN 1 ELSE 0 END) AS

show\_id\_missing,

SUM(CASE WHEN type IS NULL OR type = " THEN 1 ELSE 0 END) AS type\_missing,

SUM(CASE WHEN title IS NULL OR title = " THEN 1 ELSE 0 END) AS title\_missing,

SUM(CASE WHEN director IS NULL OR director = " THEN 1 ELSE 0 END) AS

director\_missing,

SUM(CASE WHEN casts IS NULL OR casts = " THEN 1 ELSE 0 END) AS casts\_missing,

SUM(CASE WHEN country IS NULL OR country = " THEN 1 ELSE 0 END) AS

country\_missing,

SUM(CASE WHEN date\_added IS NULL OR date\_added = " THEN 1 ELSE 0 END) AS

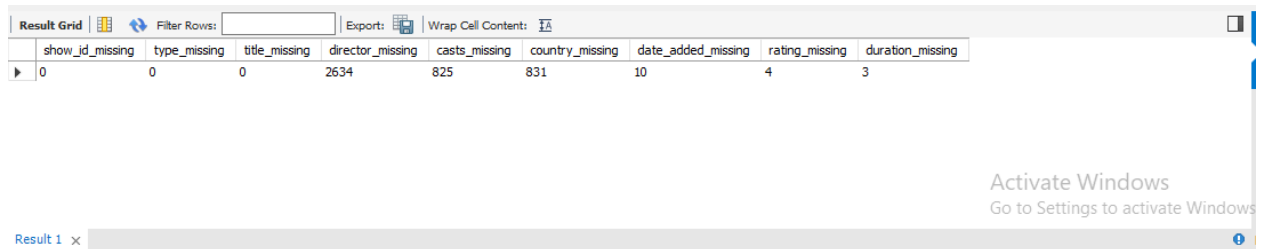
date\_added\_missing,

SUM(CASE WHEN rating IS NULL OR rating = " THEN 1 ELSE 0 END) AS rating\_missing,

SUM(CASE WHEN duration IS NULL OR duration = " THEN 1 ELSE 0 END) AS

duration\_missing

FROM netflix;



The screenshot shows a database query result grid with the following columns and values:

	show_id_missing	type_missing	title_missing	director_missing	casts_missing	country_missing	date_added_missing	rating_missing	duration_missing
▶	0	0	0	2634	825	831	10	4	3

At the bottom of the screenshot, there is a watermark that says "Activate Windows Go to Settings to activate Windows" and a tab labeled "Result 1 x".

-- updating missing/blank values as 'not available'

UPDATE netflix SET director = 'Not Available' WHERE director = "" or director is null ;

UPDATE netflix SET casts = 'Not Available' WHERE casts = "" or casts is null ;

UPDATE netflix SET country = 'Not Available' WHERE country = "" or country is null ;

UPDATE netflix SET date\_added = 'Not Available' WHERE date\_added = "" or date\_added is null ;

UPDATE netflix SET rating = 'Not Available' WHERE rating = "" or rating is null ;

UPDATE netflix SET duration = 'Not Available' WHERE duration = "" or duration is null ;

Result Grid						
Filter Rows:						
Export:						
Wrap Cell Contents:						
show_id	type	title	director	casts	country	date_added
s1	Movie	Dick Johnson Is Dead	Kirsten Johnson	Not Available	United States	September 25, 202
s2	TV Show	Blood & Water	Not Available	Ama Qamata, Khosi Ngema, Gail Mabalane, Tha...	South Africa	September 24, 202
s3	TV Show	Ganglands	Julien Lederq	Sami Bouajila, Tracy Gotoas, Samuel Jouy, Nabi...	Not Available	September 24, 202
s4	TV Show	Jailbirds New Orleans	Not Available	Not Available	Not Available	September 24, 202
s5	TV Show	Kota Factory	Not Available	Mayur More, Jitendra Kumar, Ranjan Raj, Alam ...	India	September 24, 202
s6	TV Show	Midnight Mass	Mike Flanagan	Kate Siegel, Zach Gilford, Hamish Linklater, Hen...	Not Available	September 24, 202
s7	Movie	My Little Pony: A New Generation	Robert Cullen, José Luis Ucha	Vanessa Hudgens, Kimiko Glenn, James Marsde...	Not Available	September 24, 202
s8	Movie	Sankofa	Haile Gerima	Kofi Ghanaba, Oyafunmike Ogundiano, Alexandr...	United States, Ghana, Burkina Faso, United Kin...	September 24, 202
s9	TV Show	The Great British Baking Show	Andy Devonshire	Mel Giedroyc, Sue Perkins, Mary Berry, Paul Holl...	United Kingdom	September 24, 202
s10	Movie	The Starling	Theodore Melfi	Melissa McCarthy, Chris O'Dowd, Kevin Kline, Ti...	United States	September 24, 202
s11	TV Show	Vendetta: Truth, Lies and The M...	Not Available	Not Available	Not Available	September 24, 202
s12	TV Show	Bangkok Breaking	Kongkiat Komesiri	Sukollawat Kanarot, Sushar Manaying, Pavarit ...	Not Available	September 23, 202
s13	Movie	Je Suis Karl	Christian Schwöchow	Luna Wedler, Jannis Niewöhner, Milan Peschel, ...	Germany, Czech Republic	September 23, 202
s14	Movie	Confessions of an Invisible Girl	Bruno Garotti	Klara Castanho, Lucca Picon, Júlia Gomes, Marc...	Not Available	September 22, 202
s15	TV Show	Crime Stories: India Detectives	Not Available	Not Available	Not Available	September 22, 202
s16	TV Show	Dear White People	Not Available	Logan Browning, Brandon P. Bell, DeRon Horton...	United States	September 22, 202
s17	Movie	Europe's Most Dangerous Man: ...	Pedro de Echave García, Pab...	Not Available	Not Available	September 22, 202
s18	TV Show	Falsa identidad	Not Available	Luis Ernesto Franco, Camila Sodi, Sergio Goyri, ...	Mexico	September 22, 202
s19	Movie	Intrusion	Adam Salky	Freida Pinto, Logan Marshall-Green, Robert Joh...	Not Available	September 22, 202
s20	TV Show	Jaguar	Not Available	Blanca Suárez, Iván Marcos, Óscar Casas, Adri...	Not Available	September 22, 202
s21	TV Show	Monsters Inside: The 24 Faces o...	Olivier Megaton	Not Available	Not Available	September 22, 202

-- Describe Table

Desc netflix;

Result Grid						
Filter Rows:						
Export:						
Wrap Cell Contents:						
Field	Type	Null	Key	Default	Extra	
show_id	varchar(5)	YES		NULL		
type	varchar(10)	YES		NULL		
title	varchar(250)	YES		NULL		
director	varchar(550)	YES		NULL		
casts	varchar(1050)	YES		NULL		
country	varchar(550)	YES		NULL		
date_added	varchar(55)	YES		NULL		
release_year	int	YES		NULL		
rating	varchar(15)	YES		NULL		
duration	varchar(15)	YES		NULL		
listed_in	varchar(250)	YES		NULL		
description	varchar(550)	YES		NULL		

-- Correct the data

UPDATE netflix

SET director = 'Steven Bognar, Julia Reichert'

WHERE title = '9to5: The Story of a Movement' ;

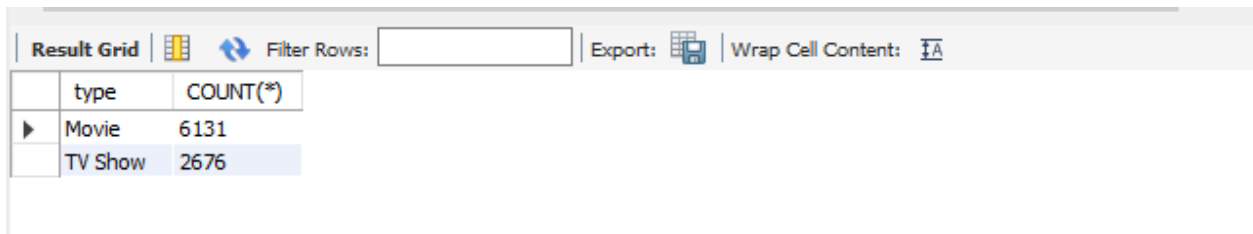
Result Grid							
Filter Rows:		Export:		Wrap Cell Content: <span>1/1</span>			
show_id	type	title	director	casts	country	date_added	
s3074	Movie	Road Trip: Beer Pong	Steve Rash	Nestor Aaron Absera, Julianna Guill, Preston Jo...	United States	January 1, 2020	
s1097	Movie	The Last Kids on Earth: Happy A...	Steve Rolston	Nick Wolfhard, Charles Demers, Montse Hernan...	Not Available	April 6, 2021	
s7490	Movie	Monster High 13 Wishes	Steve Sacks	Erin Fitzgerald, Missi Hale, Marcus Griffin, Celes...	United States	March 1, 2018	
s405	Movie	9to5: The Story of a Movement	Steven Bogнар, Julia Reichert	Not Available	Not Available	July 22, 2021	
s1722	TV Show	A Lion in the House	Steven Bogнар, Julia Reichert	Not Available	United States	November 10, 2020	
s3568	Movie	American Factory	Steven Bogнар, Julia Reichert	Not Available	United States	August 21, 2019	
s5534	Movie	Sandy Wexler	Steven Brill	Adam Sandler, Jennifer Hudson, Kevin James, T...	United States	April 14, 2017	
s5847	Movie	The Do-Over	Steven Brill	Adam Sandler, David Spade, Paula Patton, Kath...	United States	April 27, 2015	

Use netflix;

-- Project TASK

-- 1. Count the number of Movies vs TV Shows

```
SELECT type, COUNT(*)
FROM netflix
GROUP BY 1;
```



The screenshot shows a database interface with a toolbar at the top containing 'Result Grid', 'Filter Rows', 'Export', and 'Wrap Cell Content' options. Below the toolbar is a table with two columns: 'type' and 'COUNT(\*)'. The table contains two rows: 'Movie' with a count of 6131, and 'TV Show' with a count of 2676.

	type	COUNT(*)
▶	Movie	6131
	TV Show	2676

-- 2. Find the most common rating for movies and TV shows

Delimiter \$\$

Create procedure most\_common\_ratings()

Begin

```
    SELECT type, rating, total_count
    FROM (
        SELECT
            type,
            rating,
            COUNT(*) AS total_count,
            RANK() OVER(PARTITION BY type ORDER BY COUNT(*) DESC) as
```

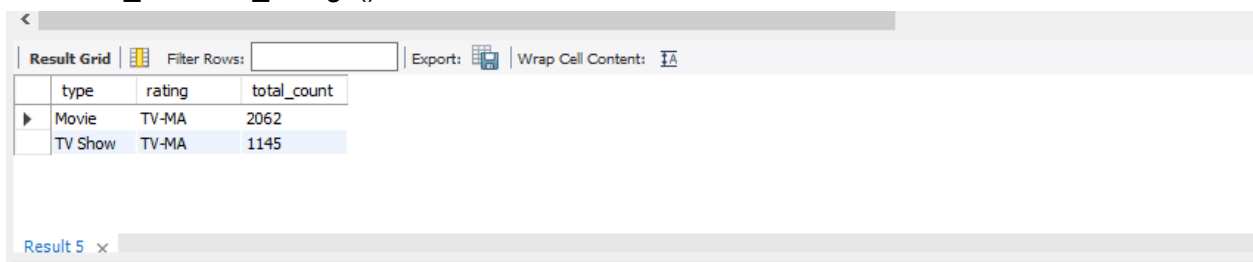
ranks

```
    FROM netflix
    GROUP BY type, rating
    ) AS Ranking
    WHERE ranks = 1;
```

End \$\$

Delimiter ;

Call most\_common\_ratings();



The screenshot shows a database interface with a toolbar at the top containing 'Result Grid', 'Filter Rows', 'Export', and 'Wrap Cell Content' options. Below the toolbar is a table with three columns: 'type', 'rating', and 'total\_count'. The table contains two rows: 'Movie' with rating 'TV-MA' and total\_count 2062, and 'TV Show' with rating 'TV-MA' and total\_count 1145.

	type	rating	total_count
▶	Movie	TV-MA	2062
	TV Show	TV-MA	1145

Result 5 x

-- 3. List all movies released in a specific year (e.g., 2020)

Select \* From netflix where release\_year = '2020';

show_id	type	title	director	casts	country	date_added
s1	Movie	Dick Johnson Is Dead	Kirsten Johnson	Not Available	United States	September 25, 2021
s17	Movie	Europe's Most Dangerous Man: Otto Skorzeny i...	Pedro de Echave García, Pablo Azorín Williams	Not Available	Not Available	September 22, 2021
s18	TV Show	Falsa identidad	Not Available	Luis Ernesto Franco, Camila Sodí, Sergio Goyri, ...	Mexico	September 22, 2021
s33	TV Show	Sex Education	Not Available	Asa Butterfield, Gillian Anderson, Ncuti Gatwa, ...	United Kingdom	September 17, 2021
s35	TV Show	Tayo and Little Wizards	Not Available	Dani Lee, Jason Lee, Bonnie Catherine Han, J...	Not Available	September 17, 2021
s48	TV Show	The Smart Money Woman	Bunmi Ajakaiye	Osas Ighodaro, Ini Dima-Okojie, Kemi Lala Akind...	Not Available	September 16, 2021
s79	Movie	Tughlaq Durbār	Delhiprasad Deenadayalan	Vijay Sethupathi, Parthiban, Raashi Khanna	Not Available	September 11, 2021
s85	Movie	Omo Ghetto: the Saga	JJC Skiltz, Funke Akindele	Funke Akindele, Ayo Makun, Chioma Chukwuka ...	Nigeria	September 10, 2021
s104	Movie	Shadow Parties	Yemi Amodu	Jide Kosoko, Omotola Jalade-Ekeinde, Yemi Bla...	Not Available	September 6, 2021
s120	Movie	Here and There	JP Habac	Janine Gutierrez, JC Santos, Victor Anastacio, Y...	Not Available	September 2, 2021
s127	Movie	Shikara	Vidhu Vinod Chopra	Aadil Khan, Sadia Khateeb, Zain Khan Durrani, ...	India	September 2, 2021
s149	TV Show	HQ Barbers	Gerhard Mostert	Hakeem Kae-Kazim, Chioma Omeruah, Orukota...	Not Available	September 1, 2021
s190	TV Show	Bread Barbershop	Not Available	Um Sang-hyun, Park Yoon-hee, Kang Shi-hyun, ...	Not Available	August 28, 2021
s228	Movie	Really Love	Angel Kristi Williams	Kofi Siriboe, Yootha Wong-Loi-Sing, Michael Eal...	United States	August 25, 2021
s230	Movie	The Old Ways	Christopher Alender	Brigitte Kali Canales, Andrea Cortes, Julia Vera, ...	United States	August 25, 2021
s251	Movie	A Faraway Land	Veronica Velasco	Paolo Contis, Yen Santos, Hans Törgarð, Ruby ...	Not Available	August 19, 2021
s257	Movie	Nneka The Pretty Serpent	Tosin Igho	Idia Aisien, Ndidi Obi, Kenneth Okolie, Zack Orji, ...	Not Available	August 18, 2021
s259	Movie	Out of my league	Alice Filippi	Ludovica Francesconi, Giuseppe Maggio, Gaja M...	Not Available	August 18, 2021

-- 4. Find the top 5 countries with the most content on Netflix

SELECT country, COUNT(\*) AS total\_content

FROM netflix

WHERE country IS NOT NULL

GROUP BY country

ORDER BY total\_content DESC

LIMIT 5;

country	total_content
United States	2818
India	972
Not Available	831
United Kingdom	419
Japan	245

-- 5. Identify the top 10 longest movie

SELECT \*

FROM netflix

WHERE type = 'Movie'

ORDER BY CAST(SUBSTRING\_INDEX(duration, ' ', 1) AS UNSIGNED) DESC

LIMIT 10;

show_id	type	title	director	casts	country	date_added	release_year	rating	duration	listed_in
s4254	Movie	Black Mirror: Bandersnatch	Not Available	Fionn Whitehead, Will Poulter, Craig Parkinson, ...	United States	December 28, 2018	2018	TV-MA	312 min	Dramas, International Movies, Sci-Fi & Fantasy
s718	Movie	HeadSpace: Unwind Your Mind	Not Available	Andy Puddicombe, Evelyn Lewis Prieto, Ginger ...	Not Available	June 15, 2021	2021	TV-G	273 min	Documentaries
s2492	Movie	The School of Mischief	Houssam El-Din Mustafa	Suhair El-Babli, Adel Emam, Saeed Saleh, Youn...	Egypt	May 21, 2020	1973	TV-14	253 min	Comedies, Dramas, International Movies, Romances
s2488	Movie	No Longer Kids	Samir Al Asfory	Said Saleh, Hassan Moustafa, Ahmed Zaki, You...	Egypt	May 21, 2020	1979	TV-14	237 min	Comedies, Dramas, International Movies, Romances
s2485	Movie	Lock Your Girls In	Fouad El-Mohandes	Fouad El-Mohandes, Sanaa Younes, Sherhan, ...	Not Available	May 21, 2020	1982	TV-PG	233 min	Comedies, International Movies, Romances
s2489	Movie	Raya and the Last Dragon	Hussein Kamel	Suhair El-Babli, Shadia, Abdel Moneim Madbouly...	Not Available	May 21, 2020	1984	TV-14	230 min	Comedies, Dramas, International Movies, Romances
s167	Movie	Once Upon a Time in America	Sergio Leone	Robert De Niro, James Woods, Elizabeth McGov...	Italy, United States	September 1, 2021	1984	R	229 min	Classic Movies, Dramas
s7933	Movie	Sangam	Raj Kapoor	Raj Kapoor, Vyjayanthimala, Rajendra Kumar, L...	India	December 31, 2019	1964	TV-14	228 min	Classic Movies, Dramas, International Movies, Romances
s1020	Movie	Lagaan	Ashutosh Gowariker	Aamir Khan, Gracy Singh, Rachel Shelley, Paul B...	India, United Kingdom	April 17, 2021	2001	PG	224 min	Dramas, International Movies, Music & Musicals
s4574	Movie	Jodhaa Akbar	Ashutosh Gowariker	Hrithik Roshan, Aishwarya Rai Bachchan, Sonu ...	India	October 1, 2018	2008	TV-14	214 min	Action & Adventure, Dramas, International Movies, Romances

-- 6. Find content added in the last 5 years

```
SELECT *
FROM netflix
WHERE STR_TO_DATE(date_added, '%M %d, %Y') >= date_sub(current_date(), INTERVAL 5
YEAR);
```

show_id	type	title	director	casts	country	date_added	release_year	rating	duration
s1	Movie	Dick Johnson Is Dead	Kirsten Johnson	Not Available	United States	September 25, 2021	2020	PG-13	90 min
s2	TV Show	Blood & Water	Not Available	Ama Qamata, Khosi Ngema, Gail Mababane, Tha...	South Africa	September 24, 2021	2021	TV-MA	2 Seas
s3	TV Show	Ganglands	Julien Lederq	Sami Bouajila, Tracy Gotoas, Samuel Jouy, Nabil...	Not Available	September 24, 2021	2021	TV-MA	1 Seas
s4	TV Show	Jailbirds New Orleans	Not Available	Not Available	Not Available	September 24, 2021	2021	TV-MA	1 Seas
s5	TV Show	Kota Factory	Not Available	Mayur More, Jitendra Kumar, Ranjan Raj, Alam ...	India	September 24, 2021	2021	TV-MA	2 Seas
s6	TV Show	Midnight Mass	Mike Flanagan	Kate Siegel, Zach Gilford, Hamish Linklater, Hen...	Not Available	September 24, 2021	2021	TV-MA	1 Seas
s7	Movie	My Little Pony: A New Generation	Robert Cullen, José Luis Ucha	Vanessa Hudgens, Kimiko Glenn, James Marsde...	Not Available	September 24, 2021	2021	PG	91 min
s8	Movie	Sankofa	Haile Gerima	Kofi Ghanaba, Oyafunmike Ogunlano, Alexandr...	United States, Ghana, Burkina Faso, United Kin...	September 24, 2021	1993	TV-MA	125 min
s9	TV Show	The Great British Baking Show	Andy Devonshire	Mel Giedroyc, Sue Perkins, Mary Berry, Paul Holl...	United Kingdom	September 24, 2021	2021	TV-14	9 Seas
s10	Movie	The Starling	Theodore Melfi	Melissa McCarthy, Chris O'Dowd, Kevin Kline, Ti...	United States	September 24, 2021	2021	TV-MA	104 min
s11	TV Show	Vendetta: Truth, Lies and The M...	Not Available	Not Available	Not Available	September 24, 2021	2021	TV-MA	1 Seas

-- 7. Find all the movies/TV shows by director 'Rajiv Chilaka!' (using RECURSIVE)

```
WITH RECURSIVE director_split AS (
  SELECT
    show_id, title,
    TRIM(SUBSTRING_INDEX(director, ',', 1)) AS director_name, --
    SUBSTRING(director, LOCATE(',', director) + 1) AS remaining_directors
  FROM netflix
  WHERE director IS NOT NULL

  UNION ALL

  SELECT
    show_id, title,
    TRIM(SUBSTRING_INDEX(remaining_directors, ',', 1)),
    IF(LOCATE(',', remaining_directors) > 0,
      SUBSTRING(remaining_directors, LOCATE(',', remaining_directors) + 1),
      '')
  FROM director_split
  WHERE remaining_directors <> ''
)
SELECT *
FROM director_split
WHERE director_name = 'Rajiv Chilaka';
```

show_id	title	director_name	remaining_directors
s408	Chhota Bheem & Ganesh	Rajiv Chilaka	Rajiv Chilaka
s409	Chhota Bheem & Krishna: Mayanagari	Rajiv Chilaka	Rajiv Chilaka
s410	Chhota Bheem & Krishna: Patalputra- City of th...	Rajiv Chilaka	Rajiv Chilaka
s411	Chhota Bheem And The Broken Amulet	Rajiv Chilaka	Rajiv Chilaka
s412	Chhota Bheem And The Crown of Valhalla	Rajiv Chilaka	Rajiv Chilaka
s413	Chhota Bheem and the Incan Adventure	Rajiv Chilaka	Rajiv Chilaka
s414	Chhota Bheem and The Shikhi Secret	Rajiv Chilaka	Rajiv Chilaka
s415	Chhota Bheem Aur Hanuman	Rajiv Chilaka	Rajiv Chilaka
s416	Chhota Bheem aur Krishna	Rajiv Chilaka	Rajiv Chilaka
s417	Chhota Bheem aur Krishna vs Zimbara	Rajiv Chilaka	Rajiv Chilaka
s420	Chhota Bheem: Bheem vs Aliens	Rajiv Chilaka	Rajiv Chilaka

-- 8. List all TV shows with more than 5 seasons

Select \* from netflix where type = 'Tv Show' and substring\_index(duration, ',1') > 5;

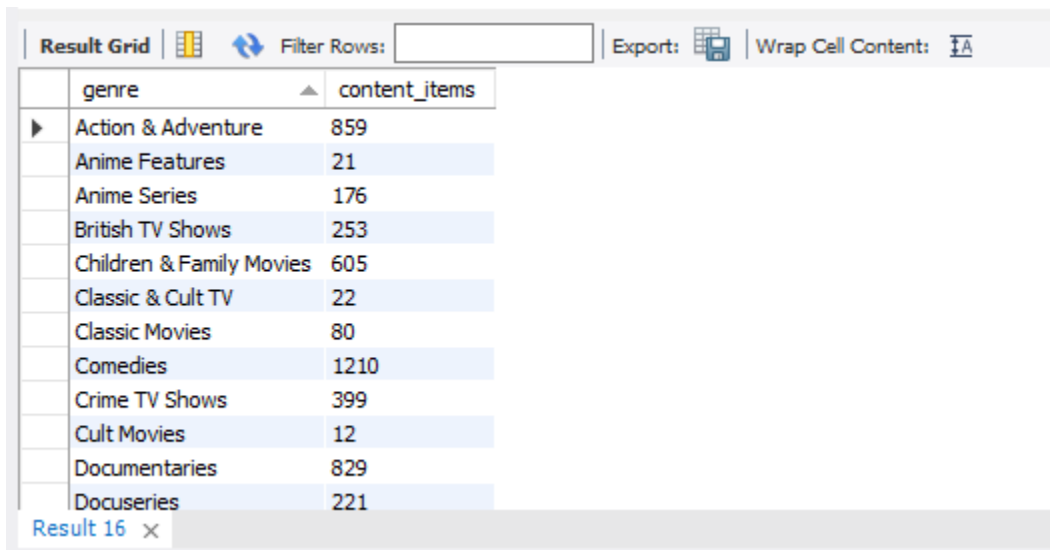


The screenshot shows a data grid with columns: show\_id, type, title, director, casts, country, date\_added, release\_year, rating, duration, and listed\_in. The 'duration' column contains values like '9 Seasons', '6 Seasons', '9 Seasons', etc. The 'listed\_in' column contains genre names like 'British TV Shows, Reality TV', 'Reality TV', 'Kids' TV', etc.

show_id	type	title	director	casts	country	date_added	release_year	rating	duration	listed_in
s9	TV Show	The Great British Baking Show	Andy Devonshire	Mel Giedroyc, Sue Perkins, Mary Berry, Paul Holl...	United Kingdom	September 24, 2021	2021	TV-14	9 Seasons	British TV Shows, Reality TV
s56	TV Show	Nailed It	Not Available	Nicole Byer, Jacques Torres	United States	September 15, 2021	2021	TV-PG	6 Seasons	Reality TV
s66	TV Show	Numberblocks	Not Available	Beth Chalmers, David Holt, Marcel McCalla, Ter...	United Kingdom	September 15, 2021	2021	TV-Y	6 Seasons	Kids' TV
s68	TV Show	Saved by the Bell	Not Available	Mark-Paul Gosselaar, Tiffani Thiessen, Mario Lo...	United States	September 15, 2021	1994	TV-PG	9 Seasons	Kids' TV, TV Comedies
s83	TV Show	Lucifer	Not Available	Tom Ellis, Lauren German, Kevin Alejandro, D.B. ...	United States	September 10, 2021	2021	TV-14	6 Seasons	Crime TV Shows, TV Comedies, TV Drama
s275	TV Show	Grace and Frankie	Not Available	Jane Fonda, Lily Tomlin, Martin Sheen, Sam Wa...	United States	August 13, 2021	2021	TV-MA	7 Seasons	TV Comedies, TV Dramas
s324	TV Show	30 Rock	Not Available	Tina Fey, Alec Baldwin, Tracy Morgan, Jane Kra...	United States	August 1, 2021	2012	TV-14	7 Seasons	TV Comedies
s339	TV Show	Hunter X Hunter (2011)	Not Available	Megumi Han, Mariya Ise, Keiji Fujiwara, Miyuki S...	Japan	August 1, 2021	2014	TV-14	6 Seasons	Anime Series, International TV Shows
s381	TV Show	The Flash	Glen Winter	Grant Gustin, Candice Patton, Danielle Panabak...	United States	July 28, 2021	2021	TV-14	7 Seasons	Crime TV Shows, TV Action & Adventure, Classic & Cult TV, TV Action & Adventure, Kids' TV
s391	TV Show	The Walking Dead	Not Available	Andrew Lincoln, Steven Yeun, Norman Reedus, ...	United States	July 26, 2021	2019	TV-MA	10 Seasons	Crime TV Shows, TV Action & Adventure, Classic & Cult TV, TV Action & Adventure, Kids' TV
s526	TV Show	My Little Pony: Friendship Is ...	Not Available	Ashleigh Ball, Tabitha St. Germain, Tara Strono...	United States	July 6, 2021	2018	TV-Y	8 Seasons	Kids' TV

-- 9. Count the number of content items in each genre

Select SUBSTRING\_Index(Listed\_in, ",1") as genre, count(listed\_in) as content\_items from netflix group by 1;



The screenshot shows a data grid with columns: genre and content\_items. The 'genre' column contains values like 'Action & Adventure', 'Anime Features', 'Anime Series', etc. The 'content\_items' column contains counts like 859, 21, 176, etc.

genre	content_items
Action & Adventure	859
Anime Features	21
Anime Series	176
British TV Shows	253
Children & Family Movies	605
Classic & Cult TV	22
Classic Movies	80
Comedies	1210
Crime TV Shows	399
Cult Movies	12
Documentaries	829
Docuseries	221



-- 10. Find each year and the average numbers of content release in India on netflix. return top 5 year with highest avg content release!

```
select country, release_year, count(show_id) as total_content,
       round(count(show_id)/(select count(show_id) from netflix where country = 'india') *
100,1) as avg_release
from netflix
Where country = 'India'
group by country, release_year
order by avg_release desc
Limit 5;
```

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

Fetch rows:

	country	release_year	total_content	avg_release
▶	India	2017	101	10.4
	India	2018	94	9.7
	India	2019	87	9.0
	India	2020	75	7.7
	India	2016	73	7.5

Result 17

×

-- 11. List all movies that are documentaries

Select \* From netflix where listed\_in like 'documentaries%';

Result Grid											Filter Rows:	Export:	Wrap Cell Content:
	show_id	type	title	director	casts	country	date_added	release_year	rating	duration	listed_in		
▶	s1	Movie	Dick Johnson Is Dead	Kirsten Johnson	Not Available	United States	September 25, 2021	2020	PG-13	90 min	Documentaries		
	s17	Movie	Europe's Most Dangerous Man: Otto Skorzeny in Spain	Pedro de Echave García, Pabl...	Not Available	Not Available	September 22, 2021	2020	TV-MA	67 min	Documentaries, Internatio		
	s46	Movie	My Heroes Were Cowboys	Tyler Greco	Not Available	Not Available	September 16, 2021	2021	PG	23 min	Documentaries		
	s69	Movie	Schumacher	Hanns-Bruno Kammertöns, Va...	Michael Schumacher	Not Available	September 15, 2021	2021	TV-14	113 min	Documentaries, Internatio		
	s89	Movie	Blood Brothers: Malcolm X & Muhammad Ali	Marcus Clarke	Malcolm X, Muhammad Ali	Not Available	September 9, 2021	2021	PG-13	96 min	Documentaries, Sports Mo		
	s92	Movie	The Women and the Murderer	Mona Achache, Patricia Toura...	Not Available	France	September 9, 2021	2021	TV-14	92 min	Documentaries, Internatio		
	s97	Movie	If I Leave Here Tomorrow: A Film About Lynyrd Skynyrd	Stephen Kijak	Ronnie Van Zandt, Gary R...	United States	September 7, 2021	2018	TV-MA	97 min	Documentaries, Music & M		
	s102	Movie	Untold: Breaking Point	Chapman Way, Madain Way	Not Available	United States	September 7, 2021	2021	TV-MA	80 min	Documentaries, Sports Mo		
	s118	Movie	Final Account	Luke Holland	Not Available	United Kingdom,...	September 2, 2021	2021	PG-13	94 min	Documentaries		

netflix 19 x

-- 12. Find all content without a director

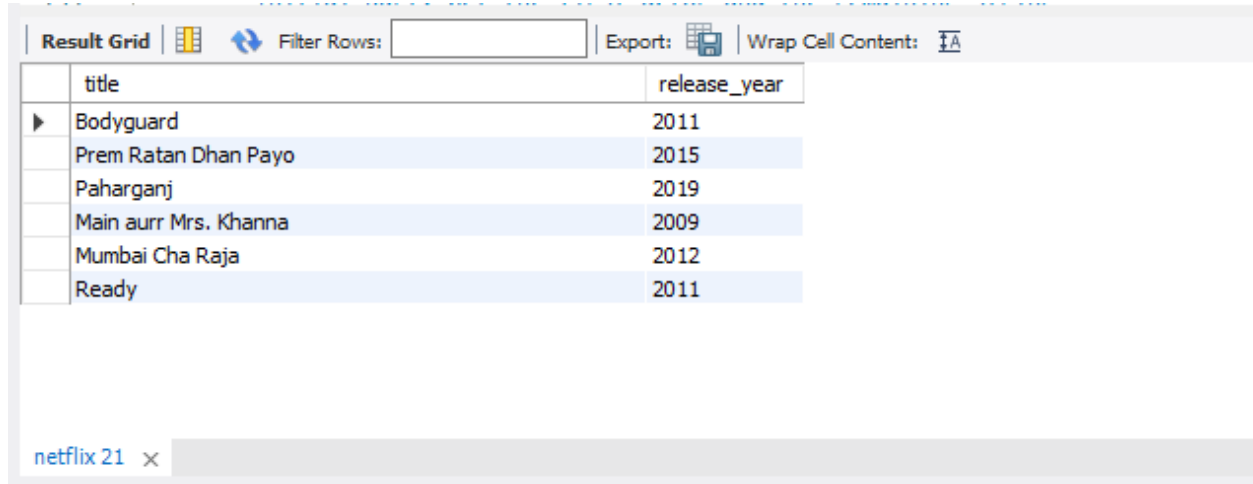
Select \* From netflix where director = 'Not Available';

Result Grid											Filter Rows:	Export:	Wrap Cell Content:
	show_id	type	title	director	casts	country	date_added	release_year	rating	duration	listed_in		
▶	s2	TV Show	Blood & Water	Not Available	Ama Qamata, Khosi Ngem...	South Africa	September 24, 2021	2021	TV-MA	2 Seasons	International TV Show		
	s4	TV Show	Jailbirds New Orleans	Not Available	Not Available	Not Available	September 24, 2021	2021	TV-MA	1 Season	Docuseries, Reality TV		
	s5	TV Show	Kota Factory	Not Available	Mayur More, Jitendra Ku...	India	September 24, 2021	2021	TV-MA	2 Seasons	International TV Show		
	s11	TV Show	Vendetta: Truth, Lies and The Mafia	Not Available	Not Available	Not Available	September 24, 2021	2021	TV-MA	1 Season	Crime TV Shows, Doc		
	s15	TV Show	Crime Stories: India Detectives	Not Available	Not Available	Not Available	September 22, 2021	2021	TV-MA	1 Season	British TV Shows, Crim		
	s16	TV Show	Dear White People	Not Available	Logan Browning, Brandon...	United States	September 22, 2021	2021	TV-MA	4 Seasons	TV Comedies, TV Dram		
	s18	TV Show	Falsa identidad	Not Available	Luis Ernesto Franco, Cami...	Mexico	September 22, 2021	2020	TV-MA	2 Seasons	Crime TV Shows, Spar		
	s20	TV Show	Jaguar	Not Available	Blanca Suárez, Iván Marc...	Not Available	September 22, 2021	2021	TV-MA	4 Seasons	International TV Show		
	s22	TV Show	Resurrection: Ertugrul	Not Available	Engin Altan Düzgatan, Se...	Turkey	September 22, 2021	2018	TV-14	5 Seasons	International TV Show		

netflix 20 x

-- 13. Find how many movies actor 'Salman Khan' appeared in the last 20 years!

```
SELECT title, release_year
FROM netflix
WHERE casts like '%Salman Khan%' and release_year > extract(year from current_date) -20;
```



The screenshot shows a database interface with a 'Result Grid' tab. It displays a table with two columns: 'title' and 'release\_year'. The table contains six rows of data, all for movies featuring Salman Khan. The interface also includes a 'Filter Rows' field, an 'Export' button, and a 'Wrap Cell Content' option.

title	release_year
Bodyguard	2011
Prem Ratan Dhan Payo	2015
Paharganj	2019
Main aurr Mrs. Khanna	2009
Mumbai Cha Raja	2012
Ready	2011

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

```
WITH RECURSIVE actors_split AS (
  -- Initial part: Get the first actor and the remaining string
  SELECT
    TRIM(SUBSTRING_INDEX(casts, ',', 1)) AS actor,
    SUBSTRING(casts, LOCATE(',', casts) + 1) AS remaining_cast,
    IF(LOCATE(',', casts) > 0, 1, 0) AS has_more
  FROM netflix
  WHERE country = 'India' AND casts IS NOT NULL AND casts <> ''

  UNION ALL

  -- Recursive part: Keep splitting the 'remaining_cast' until done
  SELECT
    TRIM(SUBSTRING_INDEX(remaining_cast, ',', 1)) AS actor,
    IF(LOCATE(',', remaining_cast) > 0, SUBSTRING(remaining_cast, LOCATE(',',
remaining_cast) + 1), '') AS remaining_cast,
    IF(LOCATE(',', remaining_cast) > 0, 1, 0) AS has_more
  FROM actors_split
  WHERE has_more = 1
)
SELECT
  actor,
  COUNT(*) AS total_content
```

```

FROM actors_split
WHERE actor <> ''
GROUP BY actor
ORDER BY total_content DESC
LIMIT 10;

```

Result Grid			Filter Rows:	Export:	Wrap Cell Content:
	actor	total_content			
▶	Akshay Kumar	28			
	Amitabh Bachchan	28			
	Anupam Kher	40			
	Boman Irani	23			
	Kareena Kapoor	24			
	Naseeruddin Shah	29			
	Not Available	32			
	Om Puri	26			
	Paresh Rawal	27			
	Shah Rukh Khan	32			

Result 22 ×

-- 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.

```

Select category, Count(*) as Content_category
  From ( Select Case
            When description like '%kill%' or '%violence%' then 'Bad Movies'
            Else 'Good Movies'
          End as category
        From netflix) as categorized_content
Group by category;

```

Result Grid			Filter Rows:	Export:	Wrap Cell Content:
	category	Content_category			
▶	Good Movies	8503			
	Bad Movies	304			

Result 23 ×