



- **Create database**

Create database Netflix;

Use Netflix;

- **Upload titles.csv as table for Netflix database**

Select * from titles;

Output:-

show_id	type	title	director	cast	country	date_added
s1	Movie	Dick Johnson Is Dead	Kirsten Johnson		United States	September 25, 2021
s2	TV Show	Blood & Water		Ama Qamata, Khosi Ngema, Gail Mababane, Tha...	South Africa	September 24, 2021
s3	TV Show	Ganglands	Julien Leclercq	Sami Bouajila, Tracy Gotoas, Samuel Jouy, Nabi...		September 24, 2021
s4	TV Show	Jailbirds New Orleans				September 24, 2021
s5	TV Show	Kota Factory		Mayur More, Jitendra Kumar, Ranjan Raj, Alam ...	India	September 24, 2021
s6	TV Show	Midnight Mass	Mike Flanagan	Kate Siegel, Zach Gilford, Hamish Linklater, Hen...		September 24, 2021

- **Count total number of records**

Select count (*) as total_records

From titles;

Output:-

total_records
100

- **Count missing values in each column**

Select

Sum (case when cast is null then 1 else 0 end) as missing_casts,

Sum (case when country is null then 1 else 0 end) as missing_countries,

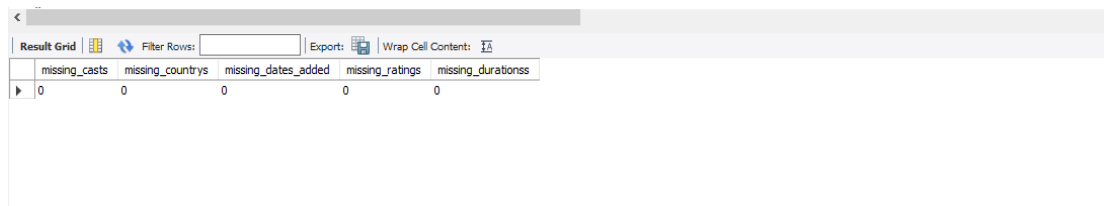
Sum (case when date_added is null then 1 else 0 end) as missing_dates_added,

Sum (case when rating is null then 1 else 0 end) as missing_ratings,

Sum (case when duration is null then 1 else 0 end) as missing_durationss

From titles;

Output:-



A screenshot of a data table interface. The table has five columns: 'missing_casts', 'missing_countries', 'missing_dates_added', 'missing_ratings', and 'missing_durations'. All five columns show a value of 0. The interface includes a 'Result Grid' header, a 'Filter Rows' input field, and 'Export' and 'Wrap Cell Content' buttons.

missing_casts	missing_countries	missing_dates_added	missing_ratings	missing_durations
0	0	0	0	0

- **Distribution of type**

Select type,count (*) as count

From titles

Group by type

Order by count desc;

Output:-



A screenshot of a data table interface showing the distribution of movie types. The table has two columns: 'type' and 'count'. The rows are 'Movie' with a count of 55 and 'TV Show' with a count of 45. The interface includes a 'Result Grid' header, a 'Filter Rows' input field, and 'Export' and 'Wrap Cell Content' buttons.

type	count
Movie	55
TV Show	45

- **Distribution of ratings**

Select rating,count(*) as count

From titles

Group by rating

Order by count desc;

Output:-



A screenshot of a data table interface showing the distribution of movie ratings. The table has two columns: 'rating' and 'count'. The rows are 'TV-MA' (32), 'TV-14' (17), 'TV-PG' (17), 'TV-Y7' (10), 'PG-13' (8), 'PG' (6), and 'TV-Y' (5). The interface includes a 'Result Grid' header, a 'Filter Rows' input field, and 'Export' and 'Wrap Cell Content' buttons.

rating	count
TV-MA	32
TV-14	17
TV-PG	17
TV-Y7	10
PG-13	8
PG	6
TV-Y	5

- **distributions of release year**

Select release_year,count(*) as count

From titles

Group by release_year

Order by release_year;

Output:-

release_year	count
1975	1
1978	1
1983	1
1987	1
1993	1
1994	1
1996	1

- **Top 10 most common director**

Select director,count(*) as count

From titles

Group by director

Order by count desc

Limit 10;

Output:-

director	count
	39
Toshiya Shinohara	4
Masahiko Murata	3
Hajime Kamegaki	2
Delhiprasad Deenadayalan	2
Robert Cullen, JosÃ© Luis Ucha	1
Haile Gerima	1

- **Top 10 countries**

Select country,count(*) as count

From titles

Group by country

Order by count desc

Limit 10;

Output:-

country	count
	41
United States	17
Japan	13
India	6
United Kingdom	5
Nigeria	2
South Africa	1

- **Records added per month**

Select date_format(str_to_date(date_added,'%b %d, %Y'),'%Y-%m')as month,count(*)as count

From titles

Group by month

Order by month;

Output:-



	month	count
▶	NULL	100

- **Find records for dramas**

Select count (*) as count

From titles

Where listed_in like '%dramas%';

Output:-



	month	count
▶	NULL	100

- **Average duration of movies/show**

Select avg(cast(substring_index(duration,' ',1)as unsigned)) as average_duration

From titles

Where duration regexp'^[0-9]+ min\$';

Output:-



	average_duration
▶	100.7273

- **Records where director details are null**

Select count (*) as count

From titles

Where director="";

Output:-

average_duration
100.7273

- **Records released in last 5 years**

Select*

From titles

Where release_year >= year (curdate ()) - 5;

Output:-

show_id	type	title	director	cast	country	date_added	release_year	rating	c
s1	Movie	Dick Johnson Is Dead	Kirsten Johnson		United States	September 25, 2021	2020	PG-13	9
s2	TV Show	Blood & Water		Ama Qamata, Khosi Ngema, Gail Mabalane, Tha...	South Africa	September 24, 2021	2021	TV-MA	2
s3	TV Show	Ganglands	Julien Lederq	Sami Bouajila, Tracy Gotoas, Samuel Jouy, Nabi...		September 24, 2021	2021	TV-MA	1
s4	TV Show	Jailbirds New Orleans				September 24, 2021	2021	TV-MA	1
s5	TV Show	Kota Factory		Mayur More, Jitendra Kumar, Ranjan Raj, Alam ...	India	September 24, 2021	2021	TV-MA	2
s6	TV Show	Midnight Mass	Mike Flanagan	Kate Siegel, Zach Gifford, Hamish Linklater, Hen...		September 24, 2021	2021	TV-MA	1

- **Records for India**

Select type,title

From titles

Where country='india';

Output:-

show_id	type	title	director	cast	country	date_added	release_year	rating	c
s1	Movie	Dick Johnson Is Dead	Kirsten Johnson		United States	September 25, 2021	2020	PG-13	9
s2	TV Show	Blood & Water		Ama Qamata, Khosi Ngema, Gail Mabalane, Tha...	South Africa	September 24, 2021	2021	TV-MA	2
s3	TV Show	Ganglands	Julien Lederq	Sami Bouajila, Tracy Gotoas, Samuel Jouy, Nabi...		September 24, 2021	2021	TV-MA	1
s4	TV Show	Jailbirds New Orleans				September 24, 2021	2021	TV-MA	1
s5	TV Show	Kota Factory		Mayur More, Jitendra Kumar, Ranjan Raj, Alam ...	India	September 24, 2021	2021	TV-MA	2
s6	TV Show	Midnight Mass	Mike Flanagan	Kate Siegel, Zach Gifford, Hamish Linklater, Hen...		September 24, 2021	2021	TV-MA	1

- **Records which offer seasons**

Select *

From titles

Where duration like '% seasons';

Output:-

type	title
TV Show	Kota Factory
Movie	Jeans
TV Show	Chhota Bheem
TV Show	Dharmakshetra
TV Show	Raja Rasoi Aur Anya Kahaniyan
TV Show	Stories by Rabindranath Tagore

- **Records with more than 2 seasons**

Select *

From titles

Where duration like '% seasons%'

And cast (substring_index (substring_index (duration, ' ', 1), ' ', -1) as unsigned)>2;

Output:-

show_id	type	title	director	cast	country	date_added	release_year	rating	duration	listed_in
s2	TV Show	Blood & Water		Ama Qamata, Khosi Ngema, Gail Mablane, Tha...	South Africa	September 24, 2021	2021	TV-MA	2 Seasons	Internat
s5	TV Show	Kota Factory		Mayur More, Jitendra Kumar, Ranjan Raj, Alam ...	India	September 24, 2021	2021	TV-MA	2 Seasons	Internat
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 T
s16	TV Show	Dear White People		Logan Browning, Brandon P. Bell, DeRon Horton...	United States	September 22, 2021	2021	TV-MA	4 Seasons	TV Come
s18	TV Show	Falsa identidad		Luis Ernesto Franco, Camila Sodi, Sergio Goyri, ...	Mexico	September 22, 2021	2020	TV-MA	2 Seasons	Crime TV
s22	TV Show	Resurrection: Ertugrul		Engin Altan DÃ¼zyatan, Serdar GÃ¶khan, HÃ...	Turkey	September 22, 2021	2018	TV-14	5 Seasons	Internat