



NETFLIX DATA ANALYSIS



1. Count the number of Movies vs TV Shows.

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

	type character varying (10) 	count bigint 
1	Movie	6131
2	TV Show	2676

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

```
SELECT type, rating  
FROM  
(SELECT type, rating, COUNT(*),  
RANK() OVER(PARTITION BY type ORDER BY COUNT(*) DESC) AS Ranking  
FROM netflix  
GROUP BY 1, 2) AS T1  
WHERE Ranking = 1;
```

	type character varying (10) 	most_frequent_rating character varying (10) 
1	Movie	TV-MA
2	TV Show	TV-MA

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

```
SELECT show_id, type, listed_in, release_year, title FROM netflix
WHERE type = 'Movie'
AND release_year = 2020;
```

	show_id character varying (10)	type character varying (10)	listed_in character varying (100)	release_year integer	title character varying (150)
1	s1	Movie	Documentaries	2020	Dick Johnson Is Dead
2	s17	Movie	Documentaries, International Movies	2020	Europe's Most Dangerous Man: Otto Skorzeny in Spain
3	s79	Movie	Comedies, Dramas, International Movies	2020	Tughlaq Durbar
4	s85	Movie	Action & Adventure, Comedies, Dramas	2020	Omo Ghetto: the Saga
5	s104	Movie	Dramas, International Movies, Thrillers	2020	Shadow Parties
6	s120	Movie	Dramas, International Movies, Romantic ...	2020	Here and There
7	s127	Movie	Dramas, International Movies, Romantic ...	2020	Shikara
8	s228	Movie	Dramas, Independent Movies, Romantic ...	2020	Really Love
9	s230	Movie	Horror Movies	2020	The Old Ways
Total rows: 517 Query complete 00:00:00.142					

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

```
SELECT
UNNEST(STRING_TO_ARRAY(country, ',')) AS Country,
COUNT(*) AS "Total Content"
FROM netflix
GROUP BY 1
ORDER BY "Total Content" DESC LIMIT 5;
```

	country text	total_content bigint
1	United States	3211
2	India	1008
3	United Kingdom	628
4	United States	479
5	Canada	271

5. Identify the longest movie.

```
SELECT show_id, type, title, release_year, duration
FROM netflix
WHERE type = 'Movie'
ORDER BY SPLIT_PART(duration, ' ', 1)::INT DESC;
```

	show_id character varying (6)	type character varying (10)	title character varying (150)	release_year integer	duration character varying (15)
1	s5814	Movie	Louis C.K.: Live at the Comedy Store	2015	[null]
2	s5542	Movie	Louis C.K. 2017	2017	[null]
3	s5795	Movie	Louis C.K.: Hilarious	2010	[null]
4	s4254	Movie	Black Mirror: Bandersnatch	2018	312 min
5	s718	Movie	Headspace: Unwind Your Mind	2021	273 min
6	s2492	Movie	The School of Mischief	1973	253 min
7	s2488	Movie	No Longer kids	1979	237 min
8	s2485	Movie	Lock Your Girls In	1982	233 min
9	s2489	Movie	Raya and Sakina	1984	230 min
Total rows: 6131 Query complete 00:00:00.195					CRLF Li

6. Find all the movies/TV shows by director 'Rajiv Chilaka'!

```
SELECT show_id, type, title, director
FROM netflix
WHERE director LIKE '%Rajiv Chilaka%';
```

	show_id character varying (6)	type character varying (10)	title character varying (150)	director character varying (208)
1	s407	Movie	Chhota Bheem - Neeli Pahaadi	Rajiv Chilaka
2	s408	Movie	Chhota Bheem & Ganesh	Rajiv Chilaka
3	s409	Movie	Chhota Bheem & Krishna: Mayanagari	Rajiv Chilaka
4	s410	Movie	Chhota Bheem & Krishna: Pataliputra- City of the Dead	Rajiv Chilaka
5	s411	Movie	Chhota Bheem And The Broken Amulet	Rajiv Chilaka
6	s412	Movie	Chhota Bheem And The Crown of Valhalla	Rajiv Chilaka
7	s413	Movie	Chhota Bheem and the Incan Adventure	Rajiv Chilaka
8	s414	Movie	Chhota Bheem and The ShiNobi Secret	Rajiv Chilaka
9	s415	Movie	Chhota Bheem Aur Hanuman	Rajiv Chilaka
10	s416	Movie	Chhota Bheem aur Krishna	Rajiv Chilaka
Total rows: 22 Query complete 00:00:00.119				

7. List all TV shows with more than 5 seasons.

```
SELECT show_id, type, title, release_year, duration FROM netflix
WHERE type = 'TV SHOW' AND duration > '4 Seasons'
ORDER BY duration ASC;
```

	show_id character varying (6)	type character varying (10)	title character varying (150)	release_year integer	duration character varying (15)
1	s5675	TV Show	Merlin	2012	5 Seasons
2	s22	TV Show	Resurrection: Ertugrul	2018	5 Seasons
3	s73	TV Show	Jack Whitehall: Travels with My Father	2021	5 Seasons
4	s107	TV Show	Bunk'd	2021	5 Seasons
5	s110	TV Show	La casa de papel	2021	5 Seasons
6	s255	TV Show	Go! Go! Cory Carson	2021	5 Seasons
7	s273	TV Show	Fast & Furious Spy Racers	2021	5 Seasons
8	s337	TV Show	Friday Night Lights	2010	5 Seasons
9	s426	TV Show	Chicago Med	2019	5 Seasons
10	s515	TV Show	Cuckoo	2019	5 Seasons
Total rows: 147		Query complete 00:00:00.198			

8. Count the number of content items in each genre.

```
SELECT
UNNEST(STRING_TO_ARRAY(listed_in, ',')) AS genre,
COUNT(*) AS total_content
FROM netflix
GROUP BY 1;
```

	genre text	total_content bigint
1	International TV Shows	774
2	Stand-Up Comedy	9
3	Spanish-Language TV Shows	172
4	Romantic Movies	613
5	Anime Features	21
6	TV Horror	11
7	Stand-Up Comedy & Talk Shows	34
8	Kids' TV	63
9	Docuseries	221
Total rows: 73		Query complete 00:00:00.123

9. Find each year and the average numbers of content release in India on NETFLIX.

Also return top 5 year with highest avg content release.

```
SELECT country, release_year, COUNT(show_id) AS total_release,
ROUND(COUNT(show_id)::numeric/(SELECT COUNT(show_id) FROM netflix
WHERE country = 'INDIA')::numeric * 100 , 2) AS avg_release
FROM netflix
WHERE country = 'INDIA'
GROUP BY country, 2
ORDER BY avg_release DESC
LIMIT 5;
```

	country character varying (150) 🔒	release_year integer 🔒	total_release bigint 🔒	avg_release numeric 🔒
1	India	2017	101	10.39
2	India	2018	94	9.67
3	India	2019	87	8.95
4	India	2020	75	7.72
5	India	2016	73	7.51

10. List all movies that are documentaries.

```
SELECT show_id, type, listed_in, release_year, title FROM netflix
WHERE listed_in LIKE '%DOCUMENTARIES';
```

	show_id character varying (6) 🔒	type character varying (10) 🔒	listed_in character varying (100) 🔒	release_year integer 🔒	title character varying (150)
1	s1	Movie	Documentaries	2020	Dick Johnson Is Dead
2	s46	Movie	Documentaries	2021	My Heroes Were Cowboys
3	s118	Movie	Documentaries	2021	Final Account
4	s222	Movie	Documentaries	2021	Bob Ross: Happy Accidents, Betrayal & Greed
5	s305	Movie	Documentaries	2021	Lady Boss: The Jackie Collins Story
6	s379	Movie	Documentaries	2019	Fantastic Fungi
7	s405	Movie	Documentaries	2021	9to5: The Story of a Movement
8	s463	Movie	Documentaries	2019	This Changes Everything

Total rows: 383 Query complete 00:00:01.333 CRLF Ln 153

11. Find all content without a director.

```
SELECT show_id, type, listed_in, release_year, title FROM netflix
WHERE director IS NULL;
```

	show_id character varying (6)	type character varying (10)	listed_in character varying (100)	release_year integer	title character varying (150)
1	s2	TV Show	International TV Shows, TV Dramas, TV Mysteries	2021	Blood & Water
2	s4	TV Show	Docuseries, Reality TV	2021	Jailbirds New Orleans
3	s5	TV Show	International TV Shows, Romantic TV Shows, TV Comedies	2021	Kota Factory
4	s11	TV Show	Crime TV Shows, Docuseries, International TV Shows	2021	Vendetta: Truth, Lies and The Mafia
5	s15	TV Show	British TV Shows, Crime TV Shows, Docuseries	2021	Crime Stories: India Detectives
6	s16	TV Show	TV Comedies, TV Dramas	2021	Dear White People
7	s185	TV Show	Reality TV	2021	Sparking Joy
8	s18	TV Show	Crime TV Shows, Spanish-Language TV Shows, TV Dramas	2020	Falsa identidad

Total rows: 2634 Query complete 00:00:00.278

12. Find how many movies actor 'Salman Khan' appeared in last 10 years.

```
SELECT show_id, type, listed_in, release_year, title FROM netflix
WHERE casts LIKE '%SALMAN KHAN%'
AND release_year > EXTRACT(YEAR FROM CURRENT_DATE) - 10;
```

	show_id character varying (6)	type character varying (10)	listed_in character varying (100)	release_year integer	title character varying (150)
1	s2757	Movie	Dramas, Independent Movies, International Movies	2019	Paharganj

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




```
SELECT UNNEST(STRING_TO_ARRAY(casts, ',')) AS actor, COUNT(*)
FROM netflix
WHERE country LIKE '%INDIA%'
GROUP BY 1
ORDER BY 2 DESC
LIMIT 10;
```

	actor text	count bigint
1	Anupam Kher	36
2	Om Puri	26
3	Boman Irani	25
4	Paresh Rawal	25
5	Shah Rukh Khan	25
6	Akshay Kumar	23
7	Naseeruddin Sh...	20
8	Amitabh Bachch...	20
9	Kareena Kapoor	20
10	Asrani	17

14. 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, type, COUNT(*) AS content_count
FROM (SELECT *, CASE
WHEN description LIKE '%KILL%' OR description LIKE '%VIOLENCE%' THEN 'BAD'
ELSE 'GOOD'
END AS category
FROM netflix) AS categorized_content
GROUP BY 1,2
ORDER BY 2;
```


	category  text	type  character varying (10)	content_count  bigint
1	Bad	Movie	251
2	Good	Movie	5880
3	Bad	TV Show	91
4	Good	TV Show	2585

Conclusion

The structured SQL approach reveals a multifaceted view of Netflix's offerings. By dissecting the catalog along dimensions of type, rating, time, geography, and content specifics, stakeholders gain critical insights that can drive more informed, data-driven content strategies and enhance viewer satisfaction.