



## Project Overview

This project focuses on analyzing Netflix's vast dataset to gain insights into its content, user preferences, and operational strategies. Using SQL, we addressed 12 business-critical problems that provide a deeper understanding of Netflix's performance across various dimensions. By leveraging data-driven solutions, this project offers actionable insights to optimize content offerings, improve customer retention, and enhance overall business strategies.



```
CREATE TABLE netflix
   show_id varchar(6),
           varchar(10),
   type
   title varchar(150),
   director
               varchar(208),
   casts varchar(1000),
   country varchar (150),
   date_added varchar(50),
   release_year
                   int.
   rating varchar(10),
   duration varchar(15),
   listed_in varchar(100),
   description varchar(250)
```













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

SELECT
type,
COUNT(show_id) as total_content

FROM netflix
GROUP BY type;
```

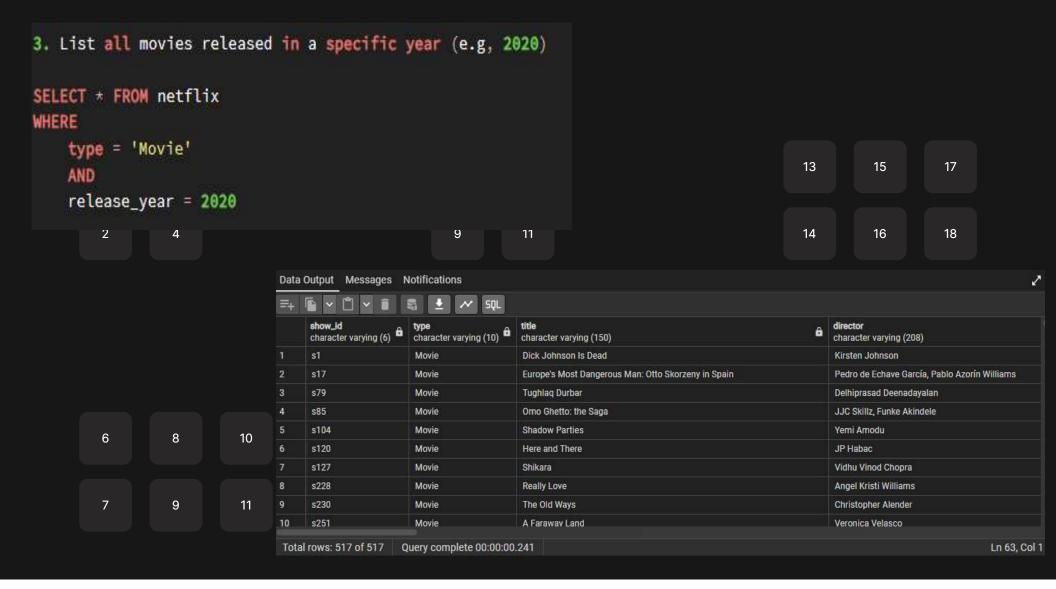


Data	Output	Messages N	tifications	
=+				
	type characte	er varying (10)	total_content bigint	
1	Movie		6131	
2	TV Show	W	2676	

```
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
```

Data Output		Messages No		otifications			
=+	<b>6</b> v [						ĴΓ
	type character varying (10)			rating character varying (10)			
1	Movie			TV-MA			
2 TV Sho		ow .		TV-MA			



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

## SELECT

UNNEST(STRING\_TO\_ARRAY(country,',')) as new\_country,
COUNT(show\_id) AS total\_content

FROM netflix

GROUP BY 1

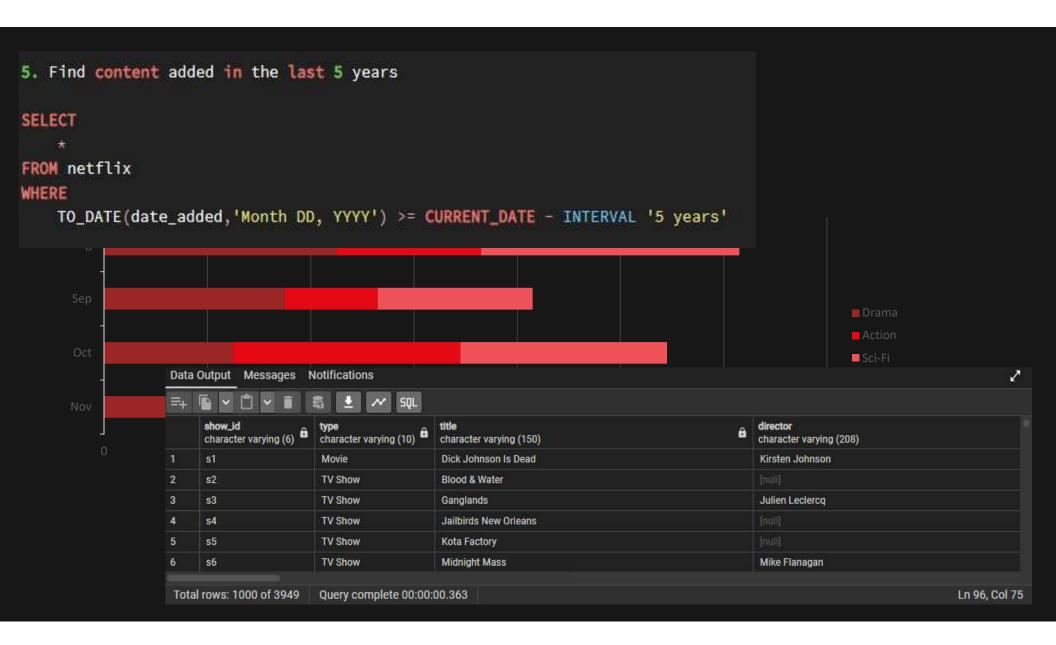
ORDER BY 2 DESC

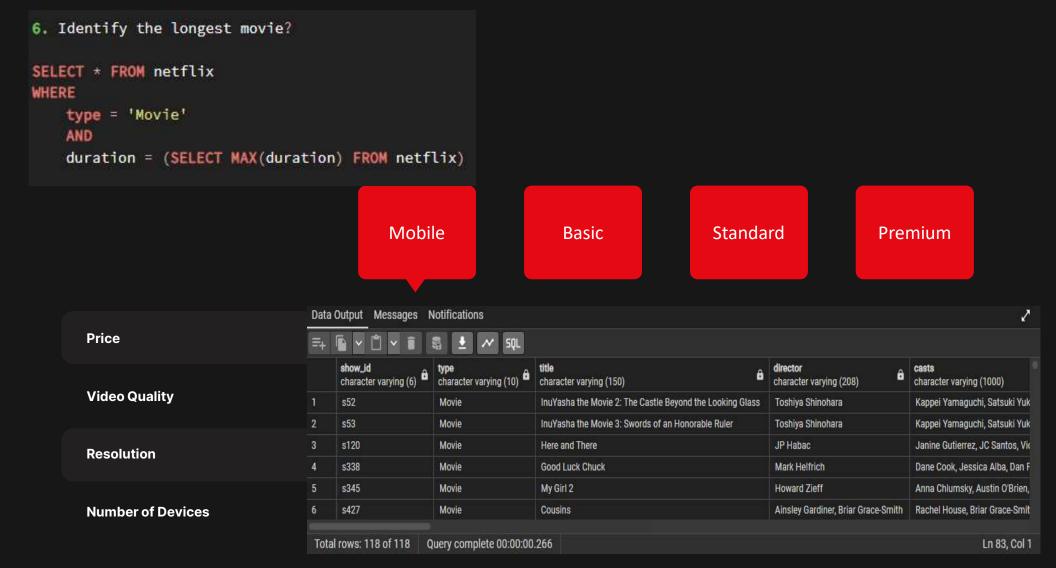
LIMIT 5

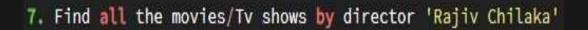
Data Output	Messages	Notifications

	new_country text	total_content 6
1	United States	3211
2	India	1008
3	United Kingdo	628
4	United States	479
5	Canada	271





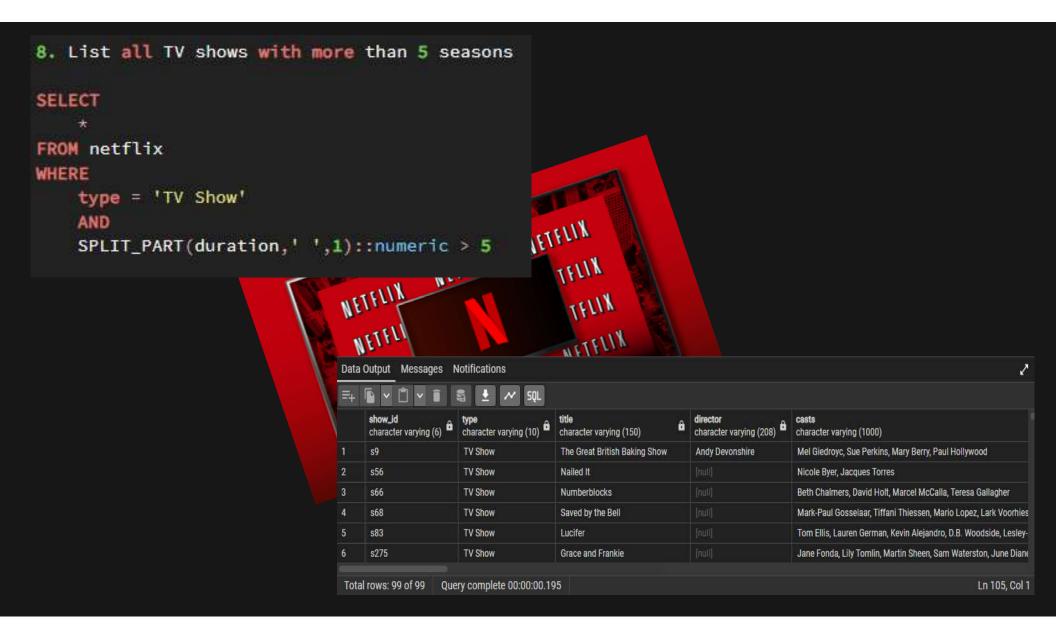


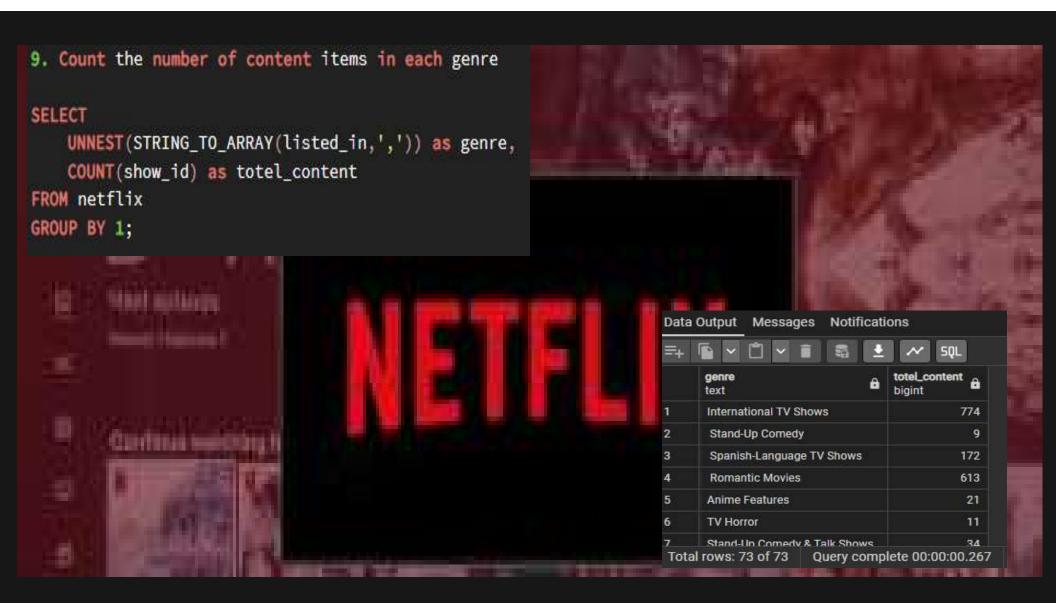


SELECT \* FROM netflix
WHERE director ILIKE '%Rajiv Chilaka%'



	show_id character varying (6)	type character varying (10)	title character varying (150)	director character varying (208)	casts character varying (
1	s407	Movie	Chhota Bheem - Neeli Pahaadi	Rajiv Chilaka	Vatsal Dubey, Julie
2	s408	Movie	Chhota Bheem & Ganesh	Rajiv Chilaka	Vatsal Dubey, Julie
3	s409	Movie	Chhota Bheem & Krishna: Mayanagari	Rajiv Chilaka	Vatsal Dubey, Julie
4	s410	Movie	Chhota Bheem & Krishna: Pataliputra- City of the De	Rajiv Chilaka	Vatsal Dubey, Julie
5	s411	Movie	Chhota Bheem And The Broken Amulet	Rajiv Chilaka	Vatsal Dubey, Julie
6	s412	Movie	Chhota Bheem And The Crown of Valhalla	Rajiv Chilaka	Vatsal Dubey, Julie

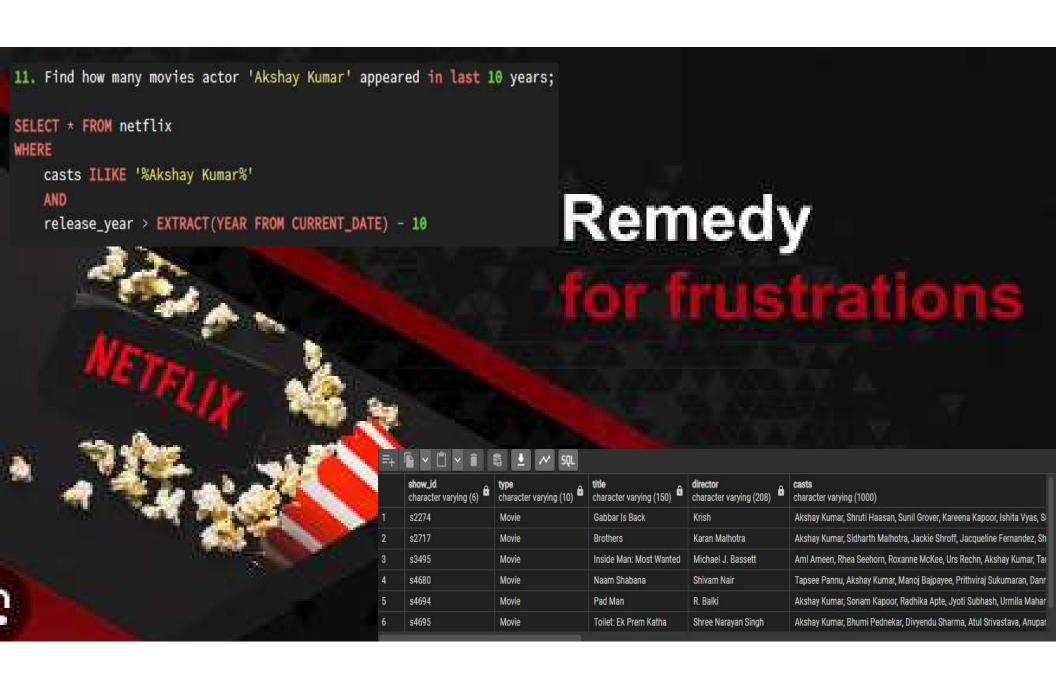








=₊	• •	✓ 自 霜 ±	
	year numeric 6	yearly_content bigint	avg_content numeric
1	2018	333	34.26
2	2016	10	1.03
3	2019	203	20.88
4	2021	95	9.77
5	2020	189	19.44
6	2017	142	14.61



```
12. 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.
WITH new_table
SELECT
    CASE
    WHEN description ILIKE '%kill%' OR
       description ILIKE '%violence%' THEN 'Bad_Content'
        ELSE 'Good_Content'
    END as Category
FROM netflix
SELECT
    category,
    COUNT(*) as total_content
FROM new_table
GROUP BY 1;
```

