

SQLQuery2.sql - VINAY\SQLEXPRESS.netflix_db (VINAY\vinay (62))* - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

New Query MDX DMX XMLA DAX

netflix_db Execute

Object Explorer

VINAY\SQLEXPRESS (SQL Server 16.0.1135 - Vin)

- Databases
- System Databases
- Database Snapshots
- AdventureWorks2022
- AdventureWorksDW2022
- bank_loan
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- Road_Accident
- SalesAnalysis

--1. Retrieve all columns from the dataset

```
select * from netflix;
```

Results Messages

	show_id	type	title	director	cast	country
1	s1	Movie	Dick Johnson Is Dead	Kirsten Johnson	NULL	United States
2	s2	TV Show	Blood & Water	NULL	Ama Qamata, Khosi Ngema, Gail Mabalane, Thabang ...	South Africa
3	s3	TV Show	Ganglands	Julien Leclercq	Sami Bouajila, Tracy Gotoas, Samuel Jouy, Nabiha Akk...	NULL
4	s4	TV Show	Jailbirds New Orleans	NULL	NULL	NULL
5	s5	TV Show	Kota Factory	NULL	Mayur More, Jitendra Kumar, Ranjan Raj, Alam Khan, A...	India
6	s6	TV Show	Midnight Mass	Mike Flanagan	Kate Siegel, Zach Gilford, Hamish Linklater, Henry Tho...	NULL
7	s7	Movie	My Little Pony: A New Generation	Robert Cullen, José Luis Ucha	Vanessa Hudgens, Kimiko Glenn, James Marsden, Sofi...	NULL
8	s8	Movie	Sankofa	Haile Gerima	Kofi Ghanaba, Oyafunmike Ogunlano, Alexandra Duah,...	United States, Ghana, Burkina Faso,
9	s9	TV Show	The Great British Baking Show	Andy Devonshire	Mel Giedroyc, Sue Perkins, Mary Berry, Paul Hollywood	United Kingdom
10	s10	Movie	The Starling	Theodore Melfi	Melissa McCarthy, Chris O'Dowd, Kevin Kline, Timothy O...	United States
11	s11	TV Show	Vendetta: Truth, Lies and The Mafia	NULL	NULL	NULL
12	s12	TV Show	Bangkok Breaking	Kongkiat Komesiri	Sukollawat Kanarot, Sushar Manaying, Pavarit Mongkol...	NULL
13	s13	Movie	Je Suis Karl	Christian Schwochow	Luna Wedler, Jannis Niewohner, Milan Peschel, Edin H...	Germany, Czech Republic
14	s14	Movie	Confessions of an Invisible Girl	Bruno Garotti	Klara Castanho, Lucca Picon, Júlia Gomes, Marcus Bes...	NULL
15	s15	TV Show	Crime Stories: India Detectives	NULL	NULL	NULL
16	s16	TV Show	Dear White People	NULL	Logan Browning, Brandon P. Bell, DeRon Horton, Antoi...	United States
17	s17	Movie	Europe's Most Dangerous Man: O...	Pedro de Echave García, Pa...	NULL	NULL
18	s18	TV Show	Falsa identidad	NULL	Luis Ernesto Franco, Camila Sodi, Sergio Goyri, Samad...	Mexico
19	s19	Movie	Intrusion	Adam Sally	Freida Pinto, Logan Marshall-Green, Robert John Burk...	NULL
20	s20	TV Show	Jaguar	NULL	Blanca Suárez, Iván Marcos, Óscar Casas, Adrián Lastr...	NULL
21	s21	TV Show	Monsters Inside: The 24 Faces of ...	Oliver Megaton	NULL	NULL
22	s22	TV Show	Resurrection: Ertugrul	NULL	Engin Altan Düzyatan, Serdar Gökhan, Hülya Darcan, ...	Turkey

Query executed successfully.

VINAY\SQLEXPRESS (16.0 RTM) | VINAY\vinay (62) | netflix_db | 00:00:00 | 8,807 rows

Ln 13 Col 1 Ch 1 INS

Ready

SQLQuery2.sql - VINAY\SQLEXPRESS.netflix_db (VINAY\vinay (62))* - Microsoft SQL Server Management Studio

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- SalesAnalysis

--2. Count the Number of Records

```
select count(*) as number_of_records from netflix;
```

Results

number_of_records	
1	8807

Messages

Query executed successfully.

VINAY\SQLEXPRESS (16.0 RTM) | VINAY\vinay (62) | netflix_db | 00:00:00 | 1 rows

Ln 15 Col 1 Ch 1 INS

SQLQuery2.sql - VINAY\SQLEXPRESS.netflix_db (VINAY\vinay (62))* - Microsoft SQL Server Management Studio

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New Query MDX DMX XMLA DAX

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Object Explorer

Connect AdventureWorksDW2022 bank_loan netflix_db Database Diagrams Tables System Tables FileTables External Tables Graph Tables dbo.netflix Columns show_id (varchar(50), not null) type (varchar(50), not null) title (varchar(max), not null) director (varchar(max), null) cast (varchar(max), null) country (varchar(max), null) date_added (date, null) release_year (int, not null) rating (varchar(max), null) duration (varchar(max), null) listed_in (varchar(max), not null) description (varchar(max), not null) Keys Constraints Triggers Indexes

--3. Find the unique types of content (Movies/TV Shows)
select distinct type from netflix;

Results Messages

type
1 TV Show
2 Movie

Query executed successfully.

VINAY\SQLEXPRESS (16.0 RTM) | VINAY\vinay (62) | netflix_db | 00:00:00 | 2 rows

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New Query MDX DMX XMLA DAX

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--4. Retrieve all movies released in 2020

```
select title from netflix
where release_year = 2020;
```

Results Messages

	title
1	Dick Johnson Is Dead
2	Europe's Most Dangerous Man: Otto Skorzeny in Sp...
3	Falsa identidad
4	Sex Education
5	Tayo and Little Wizards
6	The Smart Money Woman
7	Tughlaq Durbar
8	Omo Ghetto: the Saga
9	Shadow Parties
10	Here and There
11	Shikara
12	HQ Barbers
13	Bread Barbershop
14	Really Love
15	The Old Ways
16	A Faraway Land
17	Nneka The Pretty Serpent
18	Out of my league
19	The Defeated
20	The Creative Indians
21	Unravel

Query executed successfully.

VINAY\SQLEXPRESS (16.0 RTM) | VINAY\vinay (62) | netflix_db | 00:00:00 | 953 rows

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SQLQuery2.sql - VINAY\SQLEXPRESS.netflix_db (VINAY\vinay (62))* - Microsoft SQL Server Management Studio

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New Query MDX DMX XMLA DAX

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--5. Get the top 5 directors with the most titles

```
select top 5 director, count(*) as Number_of_titles
from netflix
where director is not null
group by director
order by count(*) desc;
```

Results

	director	Number_of_titles
1	Rajiv Chilaka	19
2	Raúl Campos, Jan Suter	18
3	Marcus Raboy	16
4	Suhas Kadav	16
5	Jay Karas	14

Messages

Query executed successfully.

VINAY\SQLEXPRESS (16.0 RTM) | VINAY\vinay (62) | netflix_db | 00:00:00 | 5 rows

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Object Explorer

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--6. Find the number of movies and TV shows separately

```
select type, count(*) Total_number from netflix
group by type;
```

132 % Results Messages

	type	Total_number
1	TV Show	2676
2	Movie	6131

Query executed successfully.

VINAY\SQLEXPRESS (16.0 RTM) | VINAY\vinay (62) | netflix_db | 00:00:00 | 2 rows

Ln 50 Col 15 Ch 15 INS

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New Query MDX DMX XMLA DAX

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Object Explorer

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--7. Find the average duration of movies

```
select avg(cast(replace(duration, 'min',' ')as int)) as average_duration
from netflix
where type = 'Movie' and duration is not null;
```

Results Messages

average_duration
99

132 %

Query executed successfully.

VINAY\SQLEXPRESS (16.0 RTM) | VINAY\vinay (62) | netflix_db | 00:00:00 | 1 rows

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New Query MDX DMX XMLA DAX

netflix_db Execute

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--8. Find the top 5 countries with the most Netflix content

```
select top 5 country, count(*) as Total_content
from netflix
where country is not null
group by country
order by count(*) desc;
```

Results

	country	Total_content
1	United States	2818
2	India	972
3	United Kingdom	419
4	Japan	245
5	South Korea	199

Query executed successfully.

VINAY\SQLEXPRESS (16.0 RTM) | VINAY\vinay (62) | netflix_db | 00:00:00 | 5 rows

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New Query MDX DMX XMLA DAX

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--9. Find the number of titles added per year

```
select release_year, count(*) as title_added
from netflix
where release_year is not null
group by release_year
order by release_year desc;
```

Results Messages

	release_year	title_added
1	2021	592
2	2020	953
3	2019	1030
4	2018	1147
5	2017	1032
6	2016	902
7	2015	560
8	2014	352
9	2013	288
10	2012	237
11	2011	185
12	2010	194
13	2009	152
14	2008	136
15	2007	88
16	2006	96
17	2005	80

Query executed successfully.

VINAY\SQLEXPRESS (16.0 RTM) | VINAY\vinay (62) | netflix_db | 00:00:00 | 74 rows

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New Query MDX DMX XMLA DAX

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--10. Find the percentage of Movies vs TV Shows

```
select type, count(*)*100.0/(select count(*) from netflix) as Percentage
from netflix
group by type;
```

Results Messages

	type	Percentage
1	TV Show	30.384921085500
2	Movie	69.615078914499

Query executed successfully.

VINAY\SQLEXPRESS (16.0 RTM) | VINAY\vinay (62) | netflix_db | 00:00:00 | 2 rows

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New Query MDX DMX XMLA DAX

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--11. Find the top genres with the highest number of titles with cte_genre as(select trim(value) as genre from netflix cross apply string_split(listed_in, ',')) select top 5 genre, count(*) as total_titles from cte_genre group by genre order by count(*) desc;

Results Messages

	genre	total_titles
1	International Movies	2752
2	Dramas	2427
3	Comedies	1674
4	International TV Shows	1351
5	Documentaries	869

Query executed successfully.

VINAY\SQLEXPRESS (16.0 RTM) | VINAY\vinay (62) | netflix_db | 00:00:00 | 5 rows

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SQLQuery2.sql - VINAY\SQLEXPRESS.netflix_db (VINAY\vinay (62))* - Microsoft SQL Server Management Studio

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--12. Find the top 5 most frequent actors in Netflix content
with cte_actor as (
 select trim(value) as actor from netflix
 cross apply string_split(cast,',')
select top 5 actor, count(*) as frequency
from cte_actor
group by actor
order by count(*) desc;

Results Messages

	actor	frequency
1	Anupam Kher	43
2	Shah Rukh Khan	35
3	Julie Tejwani	33
4	Takahiro Sakurai	32
5	Naseeruddin Shah	32

Query executed successfully.

VINAY\SQLEXPRESS (16.0 RTM) | VINAY\vinay (62) | netflix_db | 00:00:00 | 5 rows

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SQLQuery2.sql - VINAY\SQLEXPRESS.netflix_db (VINAY\vinay (62))* - Microsoft SQL Server Management Studio

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New Query MDX DMX XMLA DAX

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--13. Find the most common release month for Netflix titles

```
select datename(month,date_added) as month, count(*) as Total_title
from netflix
where datename(month,date_added) is not null
group by datename(month,date_added)
order by count(*) desc;
```

Results Messages

	month	Total_title
1	July	819
2	December	797
3	September	765
4	April	759
5	October	755
6	August	749
7	March	734
8	January	727
9	June	724
10	November	697
11	May	626
12	February	557

Query executed successfully.

VINAY\SQLEXPRESS (16.0 RTM) | VINAY\vinay (62) | netflix_db | 00:00:00 | 12 rows

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SQLQuery2.sql - VINAY\SQLEXPRESS.netflix_db (VINAY\vinay (62))* - Microsoft SQL Server Management Studio

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New Query MDX DMX XMLA DAX

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--14. Find movies with the longest duration

```
select title,duration from netflix
where type = 'movie' and duration is not null
order by cast(replace(duration,'min','') as int) desc;
```

Results Messages

	title	duration
1	Black Mirror: Bandersnatch	312 min
2	Headspace: Unwind Your Mind	273 min
3	The School of Mischief	253 min
4	No Longer kids	237 min
5	Lock Your Girls In	233 min
6	Raya and Sakina	230 min
7	Once Upon a Time in America	229 min
8	Sangam	228 min
9	Lagaan	224 min
10	Jodhaa Akbar	214 min
11	Seven Souls in the Skull Castle: Season Moon Kagen	212 min
12	Kabhi Khushi Kabhie Gham	209 min
13	The Irishman	209 min
14	No Direction Home: Bob Dylan	208 min
15	The Gospel of Luke	205 min
16	Fifty Year Old Teenager	204 min
17	Seven Souls in the Skull Castle: Season Moon Jogen	204 min
18	What's Your Raashee?	203 min

Query executed successfully.

VINAY\SQLEXPRESS (16.0 RTM) VINAY\vinay (62) netflix_db 00:00:00 6,128 rows

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SQLQuery2.sql - VINAY\SQLEXPRESS.netflix_db (VINAY\vinay (62))* - Microsoft SQL Server Management Studio

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--15. Find the total number of TV Shows with Seasons count distribution

```
select duration, count(*) as total_show
from netflix
where type = 'tv show'
group by duration
order by count(*) desc;
```

Results

	duration	total_show
1	1 Season	1793
2	2 Seasons	425
3	3 Seasons	199
4	4 Seasons	95
5	5 Seasons	65
6	6 Seasons	33
7	7 Seasons	23
8	8 Seasons	17
9	9 Seasons	9
10	10 Seasons	7
11	13 Seasons	3
12	15 Seasons	2
13	11 Seasons	2
14	12 Seasons	2
15	17 Seasons	1

Query executed successfully.

VINAY\SQLEXPRESS (16.0 RTM) | VINAY\vinay (62) | netflix_db | 00:00:00 | 15 rows

Ready Ln 127 Col 24 Ch 24 INS

SQLQuery2.sql - VINAY\SQLEXPRESS.netflix_db (VINAY\vinay (62))* - Microsoft SQL Server Management Studio

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New Query MDX DMX XMLA DAX

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--16. Identify the country with the highest number of TV Shows

```
with cte_country as (
select trim(value) as single_country, count(*) as total_count
from netflix
cross apply string_split(country,',')
group by trim(value))
select single_country, total_count
from cte_country
order by total_count desc;
```

Results Messages

	single_country	total_count
1	United States	3690
2	India	1046
3	United Kingdom	806
4	Canada	445
5	France	393
6	Japan	318
7	Spain	232
8	South Korea	231
9	Germany	226
10	Mexico	169
11	China	162
12	Australia	160
13	Egypt	117

Query executed successfully.

VINAY\SQLEXPRESS (16.0 RTM) | VINAY\vinay (62) | netflix_db | 00:00:00 | 123 rows

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--17. Find the director who has directed the most content for Netflix

```
with cte_director as (
    select trim(value) as director, count(*) as total_count
    from netflix
    cross apply string_split(director,',')
    group by trim(value))
select director, total_count
from cte_director
order by total_count desc;
```

Results Messages

	director	total_count
1	Rajiv Chilaka	22
2	Jan Suter	21
3	Raúl Campos	19
4	Suhas Kadav	16
5	Marcus Raboy	16
6	Jay Karas	15
7	Cathy Garcia-Molina	13
8	Youssef Chahine	12
9	Jay Chapman	12
10	Martin Scorsese	12
11	Steven Spielberg	11
12	Don Michael Paul	10
13	David Dhawan	9
14	Anurag Kashyap	9

Query executed successfully.

VINAY\SQLEXPRESS (16.0 RTM) | VINAY\vinay (62) | netflix_db | 00:00:00 | 4,988 rows

Ready Ln 150 Col 1 Ch 1 INS

SQLQuery2.sql - VINAY\SQLEXPRESS.netflix_db (VINAY\vinay (62))* - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

New Query MDX DMX XMLA DAX

netflix_db Execute

Object Explorer

Connect AdventureWorksDW2022 bank_loan netflix_db Database Diagrams Tables System Tables FileTables External Tables Graph Tables dbo.netflix Columns show_id (varchar(50), not null) type (varchar(50), not null) title (varchar(max), not null) director (varchar(max), null) cast (varchar(max), null) country (varchar(max), null) date_added (date, null) release_year (int, not null) rating (varchar(max), null) duration (varchar(max), null) listed_in (varchar(max), not null) description (varchar(max), not null) Keys Constraints Triggers Indexes

-- 18. Find the earliest and latest release years in the dataset

```
select min(release_year) as earliest_release, max(release_year) as latest_release
from netflix;
```

145 % Results Messages

	earliest_release	latest_release
1	1925	2021

Query executed successfully.

VINAY\SQLEXPRESS (16.0 RTM) | VINAY\vinay (62) | netflix_db | 00:00:00 | 1 rows

Ln 152 Col 1 Ch 1 INS

Ready

SQLQuery2.sql - VINAY\SQLEXPRESS.netflix_db (VINAY\vinay (62))* - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

New Query MDX DMX XMLA DAX

netflix_db Execute

Object Explorer

Connect AdventureWorksDW2022 bank_loan netflix_db Database Diagrams Tables System Tables FileTables External Tables Graph Tables dbo.netflix Columns show_id (varchar(50), not null) type (varchar(50), not null) title (varchar(max), not null) director (varchar(max), null) cast (varchar(max), null) country (varchar(max), null) date_added (date, null) release_year (int, not null) rating (varchar(max), null) duration (varchar(max), null) listed_in (varchar(max), not null) description (varchar(max), not null) Keys Constraints Triggers Indexes

-- 20. Get a list of movies that belong to multiple genres

```
select type, listed_in
from netflix
where type = 'movie' and charindex(',',listed_in)>0;
```

Results Messages

	type	listed_in
1	Movie	Dramas, Independent Movies, International Movies
2	Movie	Comedies, Dramas
3	Movie	Dramas, International Movies
4	Movie	Children & Family Movies, Comedies
5	Movie	Documentaries, International Movies
6	Movie	Comedies, International Movies
7	Movie	Comedies, International Movies, Romantic Movies
8	Movie	Comedies, International Movies, Music & Musicals
9	Movie	Horror Movies, Sci-Fi & Fantasy
10	Movie	Dramas, Independent Movies, International Movies
11	Movie	Dramas, International Movies, Thrillers
12	Movie	Action & Adventure, Dramas, International Movies
13	Movie	Action & Adventure, Dramas
14	Movie	Action & Adventure, Classic Movies, Dramas
15	Movie	Dramas, Horror Movies, Thrillers
16	Movie	Action & Adventure, Horror Movies, Thrillers
17	Movie	Action & Adventure, Horror Movies, Thrillers
18	Movie	Dramas, Thrillers

Query executed successfully.

VINAY\SQLEXPRESS (16.0 RTM) | VINAY\vinay (62) | netflix_db | 00:00:00 | 4,650 rows

Ready Ln 170 Col 1 Ch 1 INS

SQLQuery2.sql - VINAY\SQLEXPRESS.netflix_db (VINAY\vinay (62))* - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

New Query MDX DMX XMLA DAX

netflix_db Execute

Object Explorer

Connect AdventureWorksDW2022 bank_loan netflix_db Database Diagrams Tables System Tables FileTables External Tables Graph Tables dbo.netflix Columns show_id (varchar(50), not null) type (varchar(50), not null) title (varchar(max), not null) director (varchar(max), null) cast (varchar(max), null) country (varchar(max), null) date_added (date, null) release_year (int, not null) rating (varchar(max), null) duration (varchar(max), null) listed_in (varchar(max), not null) description (varchar(max), not null) Keys Constraints Triggers Indexes

-- 19. Find the year with the highest number of content added

```
select top 1 release_year, count(*) as total_count
from netflix
where release_year is not null
group by release_year
order by count(*) desc;
```

145 % Results Messages

	release_year	total_count
1	2018	1147

Query executed successfully.

VINAY\SQLEXPRESS (16.0 RTM) | VINAY\vinay (62) | netflix_db | 00:00:00 | 1 rows

Ready Ln 166 Col 1 Ch 1 INS