

# **Comprehensive Analysis of Netflix Movies and TV Shows Using SQL**

## **Milestone: Implementation in MySQL**

### **Group 08**

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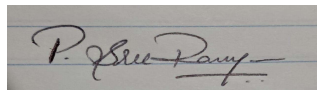
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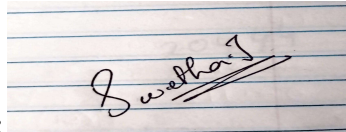
**Percentage of Effort Contributed by Student1: 50**

**Percentage of Effort Contributed by Student2: 50**

**Signature of Student 1:**

A handwritten signature in black ink on lined paper, reading "P. Sree Ramya".

**Signature of Student 2:**

A handwritten signature in black ink on lined paper, reading "Sri Lakshmi Swetha Jalluri".

**Submission Date: 10-11-2024**

# Implementation in MySQL

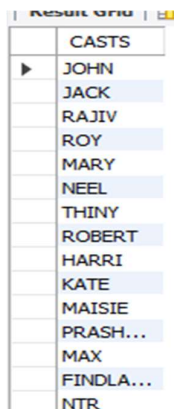
## 1. Write a query to count the number of Movies vs TV Shows?

```
SELECT * FROM dma_project.netflix;
```

	SHOW_ID	TYPE	TITLE	DIRECTOR	CASTS	COUNTRY	DATE_ADDED	RELEASE_YEAR	RATING	DURATION	LISTED_IN
▶	1	MOVIE	DICK	KIRSTEN	JOHN	US	25-SEP-21	2020	4.5	120MINS	Documentaries
	2	TV SHOW	TONY	JACK	ROBERT	US	06-OCT-20	2021	4	120MINS	DRAMA
	3	TV SHOW	KOTA FACTORY	MAYUR	HARRI	INDIA	09-NOV-20	2019	4.6	1SEASON	DRAMA
	4	TV SHOW	MIDNIGHT MASS	MIKE	KATE	JAPAN	08-APR-19	2018	4.1	180MINS	ACTION
	5	MOVIE	GO GO	ALEX	MAISIE	UK	19-JUN-21	2022	4.2	160MINS	MYSTERY
	6	MOVIE	JEANS	SHANKAR	PRASH...	INDIA	10-APR-14	2010	4.9	180MINS	COMEDY
	7	TV SHOW	SQUID	ALEE	MAX	JAPAN	14-FEB-15	2011	4.8	180MINS	SCIENTIFIC
	8	TV SHOW	ANGRY BIRD	ANTTI	FINDLA...	US	17-DEC-18	2012	4.8	180MINS	DRAMA
	9	MOVIE	RRR	RAJAMOLI	NTR	INDIA	18-JAN-20	2013	4.5	190MINS	DRAMA
	10	TV SHOW	SPECTRUM	BROOK	JACK	US	15-NOV-19	2014	4	200MINS	DRAMA
	11	TV SHOW	CHOTA BHEEM	VISHAL	RAJIV	INDIA	12-JUN-12	2009	4.8	200MINS	DRAMA
	12	MOVIE	JAWS	STEVEN	ROY	US	15-NOV-16	2016	4	150MINS	MYSTERY
	13	TV SHOW	HE MAN	ROBERT	MARY	UK	17-SEP-20	2015	4	140MINS	ACTION
	14	TV SHOW	JACK WHITE	NICK	NEEL	US	12-OCT-19	2017	4.9	180MINS	TRILLER
	15	MOVIE	SCHOOL	KONG	THINY	JAPAN	18-JAN-15	2008	4	250MINS	DRAMA

## 2. Write a query to select the cast from the table?

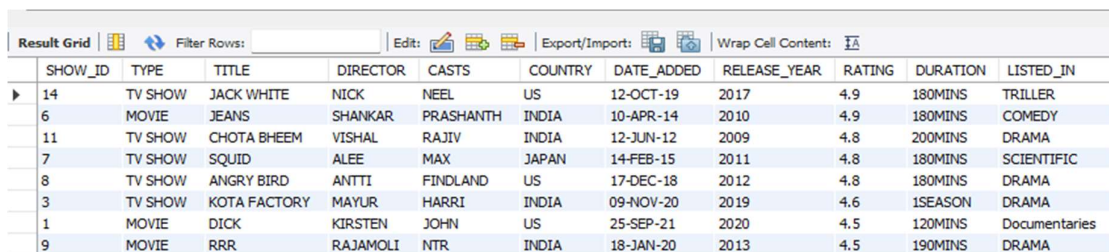
```
SELECT CASTS FROM dma_project.netflix;
```



CASTS
JOHN
JACK
RAJIV
ROY
MARY
NEEL
THINY
ROBERT
HARRI
KATE
MAISIE
PRASH...
MAX
FINDLA...
NTR

## 3. Write a query for the type which has rating above 4.5?

```
SELECT * FROM dma_project.netflix WHERE RATING >= 4.5 ORDER BY RATING DESC;
```



SHOW_ID	TYPE	TITLE	DIRECTOR	CASTS	COUNTRY	DATE_ADDED	RELEASE_YEAR	RATING	DURATION	LISTED_IN
▶ 14	TV SHOW	JACK WHITE	NICK	NEEL	US	12-OCT-19	2017	4.9	180MINS	TRILLER
6	MOVIE	JEANS	SHANKAR	PRASHANTH	INDIA	10-APR-14	2010	4.9	180MINS	COMEDY
11	TV SHOW	CHOTA BHEEM	VISHAL	RAJIV	INDIA	12-JUN-12	2009	4.8	200MINS	DRAMA
7	TV SHOW	SQUID	ALEE	MAX	JAPAN	14-FEB-15	2011	4.8	180MINS	SCIENTIFIC
8	TV SHOW	ANGRY BIRD	ANTTI	FINDLAND	US	17-DEC-18	2012	4.8	180MINS	DRAMA
3	TV SHOW	KOTA FACTORY	MAYUR	HARRI	INDIA	09-NOV-20	2019	4.6	1SEASON	DRAMA
1	MOVIE	DICK	KIRSTEN	JOHN	US	25-SEP-21	2020	4.5	120MINS	Documentaries
9	MOVIE	RRR	RAJAMOLI	NTR	INDIA	18-JAN-20	2013	4.5	190MINS	DRAMA

4. Write a query to list movie of a particular director?

```
SELECT * FROM dma_project.netflix WHERE TYPE = 'MOVIE' AND DIRECTOR = 'STEVEN';
```

Result Grid											
Filter Rows:											
	SHOW_ID	TYPE	TITLE	DIRECTOR	CASTS	COUNTRY	DATE_ADDED	RELEASE_YEAR	RATING	DURATION	LISTED_IN
▶	12	MOVIE	JAWS	STEVEN	ROY	US	15-NOV-16	2016	4	150MINS	MYSTERY

5. Write a query entry after jan 1, 2020?

```
SELECT * FROM dma_project.netflix WHERE DATE_ADDED > '2020-01-01';
```

Result Grid											
Filter Rows:											
	SHOW_ID	TYPE	TITLE	DIRECTOR	CASTS	COUNTRY	DATE_ADDED	RELEASE_YEAR	RATING	DURATION	LISTED_IN
▶	1	MOVIE	DICK	KIRSTEN	JOHN	US	25-SEP-21	2020	4.5	120MINS	Documentaries

6. Write a query to Retrieve all records with a duration of 180 minutes or more?

```
SELECT * FROM dma_project.netflix WHERE DURATION >= '180MINS';
```

	SHOW_ID	TYPE	TITLE	DIRECTOR	CASTS	COUNTRY	DATE_ADDED	RELEASE_YEAR	RATING	DURATION	LISTED_IN
▶	10	TV SHOW	SPECTRUM	BROOK	JACK	US	15-NOV-19	2014	4	200MINS	DRAMA
	11	TV SHOW	CHOTA BHEEM	VISHAL	RAJIV	INDIA	12-JUN-12	2009	4.8	200MINS	DRAMA
	14	TV SHOW	JACK WHITE	NICK	NEEL	US	12-OCT-19	2017	4.9	180MINS	THRILLER
	15	MOVIE	SCHOOL	KONG	THINY	JAPAN	18-JAN-15	2008	4	250MINS	DRAMA
	3	TV SHOW	KOTA FACTORY	MAYUR	HARRI	INDIA	09-NOV-20	2019	4.6	1SEASON	DRAMA
	4	TV SHOW	MIDNIGHT MASS	MIKE	KATE	JAPAN	08-APR-19	2018	4.1	180MINS	ACTION
	6	MOVIE	JEANS	SHANKAR	PRASHANTH	INDIA	10-APR-14	2010	4.9	180MINS	COMEDY
	7	TV SHOW	SQUID	ALEE	MAX	JAPAN	14-FEB-15	2011	4.8	180MINS	SCIENTIFIC
	8	TV SHOW	ANGRY BIRD	ANNTI	FINDLAND	US	17-DEC-18	2012	4.8	180MINS	DRAMA
	9	MOVIE	RRR	RAJAMOLI	NTR	INDIA	18-JAN-20	2013	4.5	190MINS	DRAMA
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

7. Write a query to find the average rating for all shows categorized as "MYSTERY"?

```
SELECT AVG(RATING) AS avg_rating FROM dma_project.netflix WHERE LISTED_IN = 'MYSTERY';
```

Result Grid	
	avg_rating
▶	4.2

8. Write a query to find the oldest and newest release years in the table?

```
SELECT MIN(RELEASE_YEAR) AS oldest_release, MAX(RELEASE_YEAR) AS newest_release FROM dma_project.netflix;
```

Result Grid		
Filter Rows:		
	oldest_release	newest_release
▶	2008	2022

**9. Write a query to list the titles and release years of all shows that were added in 2021?**

```
SELECT TITLE, RELEASE_YEAR FROM dma_project.netflix WHERE  
DATE_ADDED LIKE '%-21';
```

	TITLE	RELEASE_YEAR
▶	DICK	2020
	GO GO	2022

**10. Write a query to count the number of shows available from each country?**

```
SELECT COUNTRY, COUNT(*) AS show_count FROM dma_project.netflix GROUP  
BY COUNTRY;
```

	COUNTRY	show_count
▶	US	6
	INDIA	4
	UK	2
	JAPAN	3