

PRSQ-02-IMDB Movies

PRESENTED BY:

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PROJECT TEAM ID - PTID-CDA-NOV-24-246

SQL Link:

DB Name: project_movie_database

Host: 18.136.157.135

Domain Name: projects.datamites.com

Username: dm_team10

Password: DM!\$!Team!92@05!156&

Query 1) Can you get all the data about movies?

Command:

```
SELECT * FROM movies;
```

Result:

The command retrieves all 47 records from the Movies table, including Columns such as Id, Original title, Budget, Popularity, Release Date, Revenue, Title, Vote Average, Vote Count, overview , Tagline, Uid, Director id etc.

Insight:

The dataset contains 47 movies with details such as title, budget, popularity, revenue, and director information, providing a comprehensive view of the movies in the database.

Query 2) How do you get all the data about directors?

Command:

```
SELECT * FROM directors;
```

Result:

The command retrieves all 2349 records from the Directors table, including Columns such as Name, ID, uid, Gender, Department

Insight:

The database includes 2,349 directors with attributes like name, gender, and department, offering a broad perspective on the contributors to the movies.

Query 3) check how many movies are present in IMDB

Command:

```
SELECT COUNT(*) AS TOTALMOVIES FROM movies;
```

Result:

```
TOTAL MOVIES
47
```

Insight:

The database contains a modest collection of 47 movies.

Query 4) find these three directors: James Cameron, Luc Besson, John Woo

Command:

```
SELECT * FROM directors WHERE NAME IN('James
Cameron', 'Luc Besson', 'John Woo');
```

Result:

name	id	gender	uid	department
James Cameron	4762	2	2710	Directing
John Woo	4893	2	11401	Directing
Luc Besson	4949	2	59	Directing

Insight:

James Cameron, John Woo, and Luc Besson are listed as directors, each specializing in directing.

Query 5) find all directors with name starting with s

Command:

```
SELECT * FROM directors WHERE NAME LIKE 's%';
```

Result:

name	id	gender	uid	department
Sam Mendes	4764	2	39	Directing
Sam Raimi	4767	2	7623	Directing
Shane Black	4784	2	1108	Directing
Steven Spielberg	4799	2	488	Directing
Stephen				
Sommers	4815	2	7775	Directing
Shawn Levy	4842	2	17825	Directing
Steve Hickner	4852	2	44113	Directing
Simon Wells	4855	2	21879	Directing
Steven				
Soderbergh	4909	2	1884	Directing
Simon West	4930	2	12786	Directing
Stefen				
Fangmeier	4931	0	25453	Directing
Spike Jonze	4932	2	5953	Directing
Steve Martino	4943	2	71729	Directing
Sergei Bodrov	4952	0	130938	Directing
Sydney Pollack	4965	2	2226	Directing
Sylvester				
Stallone	4992	2	16483	Directing
Seth Gordon	4997	2	71600	Directing
Scott Derrickson	5004	2	55499	Directing
Stephen Hopkins	5008	2	2042	Directing
Steven Brill	5013	2	32593	Directing

Followed by 173 records

Insight:

There are 20 directors with names starting with 'S,'

Query 6) count female directors

Command:

```
SELECT COUNT(*) AS FEMALEDIRECTORS FROM  
directors WHERE GENDER=1;
```

Result:

```
FEMALEDIRECTORS  
150
```

Insight:

Only 150 directors in the database are female, reflecting a gender disparity in the industry.

Query 7) find the name of the 10th first women directors?

Command:

```
SELECT NAME FROM directors WHERE GENDER =1  
ORDER BY NAME LIMIT 1 OFFSET 9;
```

Result:

```
NAME  
Amy Holden Jones
```

Insight:

Amy Holden Jones ranks as the 10th listed female director alphabetically.

Query 8) what are the 3 most popular movies?

Command:

```
SELECT ORIGINAL_TITLE, POPULARITY FROM  
movies ORDER BY POPULARITY DESC LIMIT 3;
```

Result:

ORIGINAL_TITLE	POPULARITY
Jurassic World	418
Captain America: Civil War	198
Avatar	150

Insight:

"Jurassic World," "Captain America: Civil War," and "Avatar" are the top three most popular movies, showcasing blockbuster appeal.

Query 9) what are the 3 most bankable movies?

Command:

```
SELECT ORIGINAL_TITLE, REVENUE FROM movies  
ORDER BY REVENUE DESC LIMIT 3;
```

Result:

ORIGINAL_TITLE	REVENUE
Avatar	2787965087
Titanic	1845034188
The Avengers	1519557910

Insight:

"Avatar," "Titanic," and "The Avengers" lead in revenue, reflecting their massive commercial success.

Query 10) what is the most awarded average vote since the
jaunuary 1st,2000?

Command:

```
SELECT ORIGINAL_TITLE, VOTE_AVERAGE,  
VOTE_COUNT FROM movies WHERE  
RELEASE_DATE>='2000-01-01' ORDER BY  
VOTE_AVERAGE DESC, VOTE_COUNT DESC  
LIMIT 1;
```

Result:

ORIGINAL_TITLE	VOTE_AVERAGE	VOTE_COUNT
The Dark Knight Rises	7.6	9106

Insight:

"The Dark Knight Rises" has the highest vote average
since 2000, supported by a large number of votes.

Query 11) which movie(s) were directed by Brenda Chapman?

Command:

```
SELECT M.ORIGINAL_TITLE FROM movies AS M
JOIN directors AS D ON M.DIRECTOR_ID=D.ID
WHERE D.NAME='Brenda Chapman';
```

Result:

ORIGINAL_TITLE

Insight:

No movie directed by Brenda Chapman is listed, indicating a potential gap in the dataset.

Query 12) Which director made the most movies

Command:

```
SELECT D.NAME, COUNT(M.ID) AS
MOVIE_COUNT FROM movies AS M INNER JOIN
directors AS D ON M.DIRECTOR_ID=D.ID GROUP BY
D.NAME ORDER BY MOVIE_COUNT DESC ;
```

Result:

NAME	MOVIE_COUNT
Gore Verbinski	3
Sam Raimi	3
Peter Jackson	3

Insight:

Gore Verbinski, Sam Raimi, Peter Jackson directed the most movies in the database, with a total of three films.

Query 13) Which director is most bankable?

Command:

```
SELECT D.NAME, SUM(M.REVENUE) AS SUM_REVENUE
FROM movies AS M INNER JOIN directors AS D ON
M.DIRECTOR_ID=D.ID GROUP BY D.NAME ORDER BY
SUM_REVENUE DESC LIMIT 1;
```

Result:

NAME	SUM_REVENUE
James Cameron	4632999275

Insight:

James Cameron stands out as the most bankable director, generating over \$4.6 billion in revenue.