➢ **IMDB Movies**

IMDB MOVIES PROJECT IN SQL

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Project ID : PRSQL-01

IMDB Movies

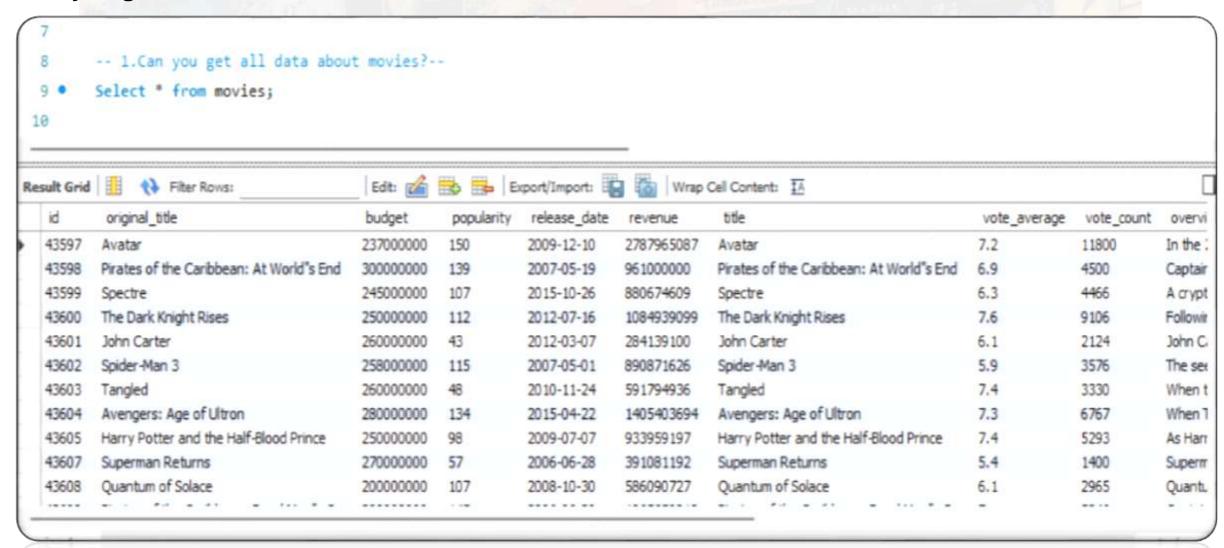# ➤ STEPS IN THIS PROJECT

1. Business Requirements / Understand Dataset

2. Load Data into MYSQL Workbench

3. Solve Tasks

4. Export & share project

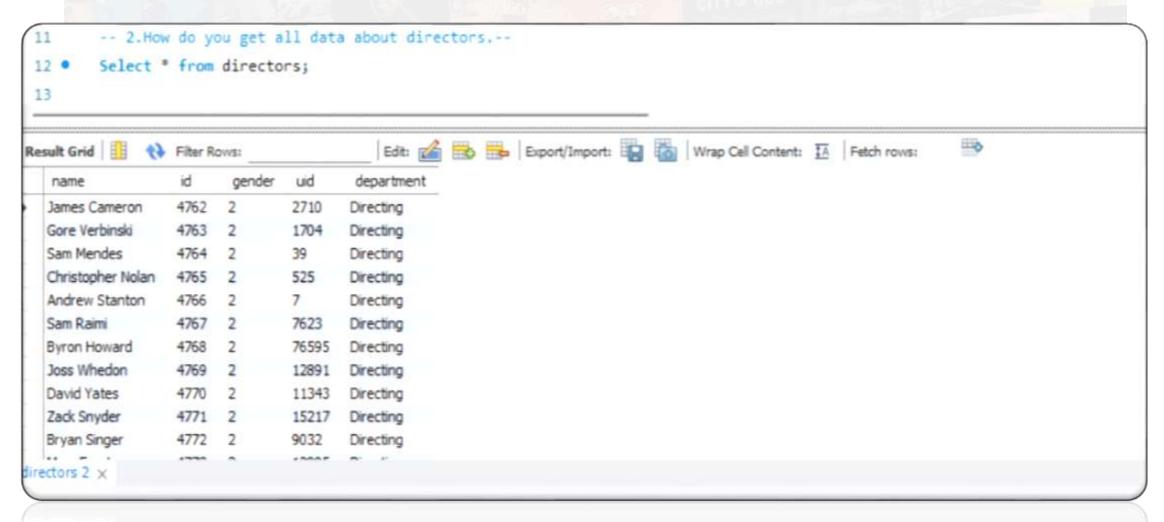# Q&A

1.Can you get all data about movies?

```sql
7
8      -- 1.Can you get all data about movies?--
9 •    Select * from movies;
10
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

id	original_title	budget	popularity	release_date	revenue	title	vote_average	vote_count	overvi
43597	Avatar	237000000	150	2009-12-10	2787965087	Avatar	7.2	11800	In the
43598	Pirates of the Caribbean: At World's End	300000000	139	2007-05-19	961000000	Pirates of the Caribbean: At World's End	6.9	4500	Captair
43599	Spectre	245000000	107	2015-10-26	880674609	Spectre	6.3	4466	A crypt
43600	The Dark Knight Rises	250000000	112	2012-07-16	1084939099	The Dark Knight Rises	7.6	9106	Followir
43601	John Carter	260000000	43	2012-03-07	284139100	John Carter	6.1	2124	John C.
43602	Spider-Man 3	258000000	115	2007-05-01	890871626	Spider-Man 3	5.9	3576	The see
43603	Tangled	260000000	48	2010-11-24	591794936	Tangled	7.4	3330	When t
43604	Avengers: Age of Ultron	280000000	134	2015-04-22	1405403694	Avengers: Age of Ultron	7.3	6767	When T
43605	Harry Potter and the Half-Blood Prince	250000000	98	2009-07-07	933959197	Harry Potter and the Half-Blood Prince	7.4	5293	As Harr
43607	Superman Returns	270000000	57	2006-06-28	391081192	Superman Returns	5.4	1400	Superm
43608	Quantum of Solace	200000000	107	2008-10-30	586090727	Quantum of Solace	6.1	2965	Quantu

Q&A

2.How do you get all data about directors?

```
11        -- 2.How do you get all data about directors.--
12 ●      Select * from directors;
13
```

name	id	gender	uid	department
James Cameron	4762	2	2710	Directing
Gore Verbinski	4763	2	1704	Directing
Sam Mendes	4764	2	39	Directing
Christopher Nolan	4765	2	525	Directing
Andrew Stanton	4766	2	7	Directing
Sam Raimi	4767	2	7623	Directing
Byron Howard	4768	2	76595	Directing
Joss Whedon	4769	2	12891	Directing
David Yates	4770	2	11343	Directing
Zack Snyder	4771	2	15217	Directing
Bryan Singer	4772	2	9032	Directing

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: | Fetch rows:

directors 2 ×

Q&A

3. Check how many movies are present in IMDB.

```
14        -- 3.Check how many movies are present in IMDB--
15 •      SELECT COUNT(*)
16        FROM movies;
17
```

Result Grid | ⚏ | ↻ Filter Rows: _____ | Export: 📄 | Wrap Cell Content: 🅰

COUNT(*)
47

4. Find these 3 directors: James Cameron ; Luc Besson ; John Woo

```
17
18       -- 4.Find these 3 directors: James Cameron ; Luc Besson ; John Woo --
19  ●    select * from directors
20       where name = "James Cameron" or name = "Luc Besson" or name = "John Woo";
21
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: ⫚A

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

5. Find all directors with name starting with S.

```sql
21
22      -- 5. Find all directors with name starting with S.
23  •   SELECT *
24      FROM directors
25      WHERE name LIKE 'S%';
26
27      -- 6.Count female directors.--
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

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

directors 6 ×

Q&A

6. Count female directors.

```
27          -- 6.Count female directors.--
28  •       select count(name)  as Count_of_female
29          from directors
30          where gender=1;
31
```

Result Grid | 🔢 | ↻ | Filter Rows: _____ | | Export: 💾 | | Wrap Cell Content: 🔡

Count_of_female
150

7. Find the name of the 10th first women directors?

```
32          -- 7.Find the name of the 10th first women directors?--
33   •      select name
34          from directors
35          where gender = 1
36          limit 10;
37
```

Result Grid | Filter Rows: _____ | Export: | Wrap Cell Content: ĪA | Fetch rows:

name
Brenda Chapman
Lilly Wachowski
Jennifer Yuh Nelson
Kathryn Bigelow
Nancy Meyers
Jill Culton
Mimi Leder
Vicky Jenson
Betty Thomas
Angelina Jolie

Q&A

8. What are the 3 most popular movies?

```
38      -- 8.What are the 3 most popular movies--
39  ●   select *  from movies
40      order by vote_average desc
41      limit 3;
42
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: | Fetch rows:

id	original_title	budget	popularity	release_date	revenue	title	vote_average	vote_count	overview
43600	The Dark Knight Rises	250000000	112	2012-07-16	1084939099	The Dark Knight Rises	7.6	9106	Following the dea
43619	The Hobbit: The Desolation of Smaug	250000000	94	2013-12-11	958400000	The Hobbit: The Desolation of Smaug	7.6	4524	The Dwarves, Bilb
43639	Toy Story 3	200000000	59	2010-06-16	1066969703	Toy Story 3	7.6	4597	Woody, Buzz, and
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

9. What are the 3 most bankable movies?

```
42
43    -- 9. What are the 3 most bankable movies?--
44  ● select *  from movies
45    order by revenue desc
46    limit 3;
47
```

Result Grid | Filter Rows: _____ | Edit: | Export/Import: | Wrap Cell Content: | Fetch rows:

id	original_title	budget	popularity	release_date	revenue	title	vote_average	vote_count	overview	tagline
43597	Avatar	237000000	150	2009-12-10	2787965087	Avatar	7.2	11800	In the 22nd century, a paraplegic Marine is disp...	Enter the Wo
43622	Titanic	200000000	100	1997-11-18	1845034188	Titanic	7.5	7562	84 years later, a 101-year-old woman named R...	Nothing on E
43613	The Avengers	220000000	144	2012-04-25	1519557910	The Avengers	7.4	11776	When an unexpected enemy emerges and thre...	Some assem
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Q&A

10. What is the most awarded average vote since the January 1st, 2000?

```
47
48        -- 10.What is the most awarded average vote since the January 1st, 2000?--
49  •     select max(vote_average) as "highest average vote"
50        from movies
51        where release_date>='2000-01-01';
52
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

highest average vote
7.6

11. Which movie(s) were directed by Brenda Chapman?

```
52
53      -- 11.Which movie(s) were directed by Brenda Chapman?--
54  ●   select *
55      from movies as m join directors as d
56      on m.director_id=d.id
57      where d.name = "Brenda Chapman";
58
```

Result Grid | Filter Rows: _____ | Export: | Wrap Cell Content: 🅰

id	original_title	budget	popularity	release_date	revenue	title	vote_average	vote_count	overview	tagline	uid	director_id	name	id	gender	uid	de

12. Which director made the most movies?

```
58
59        -- 12.Which director made the most movies?--
60  •     select d.name,director_id,count(title) as Count_of_movies
61        from directors as d join movies as m
62        on d.id=m.director_id
63        group by director_id
64        order by Count_of_movies desc
65        limit 1;
66
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:	Fetch rows:

name	director_id	Count_of_movies
Gore Verbinski	4763	3

Q&A

13. Which director is the most bankable?

```sql
66
67        -- 13.Which director is the most bankable--
68  ●   select d.name,director_id,sum(revenue) as Most_bankable
69        from directors as d join movies as m
70        on d.id=m.director_id
71        group by director_id
72        order by Most_bankable desc
73        limit 1;
74
```

Result Grid | Filter Rows: _____ | Export: | Wrap Cell Content: | Fetch rows:

name	director_id	Most_bankable
James Cameron	4762	4632999275

THANK YOU!!