

LAB1

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GitHub Link:

https://git.cs.dal.ca/athaker/csci5408_s23_b00937694_abhisha_thaker

SQL Installation

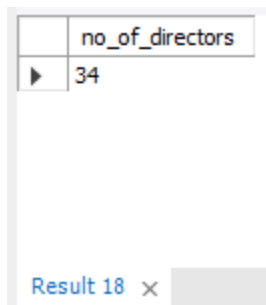
Was facing error in establishing the connection initially. So, I uninstalled the Workbench, removed it from the registry and then re-installed it. For re-installation, followed the steps given in the MYSQL Installation pdf. Then, created a new schema – imdb and imported the file into it and then carried out the SQL queries as below

SQL QUERIES

1. Check how many directors are present in iMDB.

Query: Select count(*) from imdb.directors;

Output:



A screenshot of a SQL query result window. The window has a title bar and a close button. The result is displayed in a table with one column labeled 'no_of_directors' and one row with the value '34'. At the bottom of the window, it says 'Result 18' followed by a close button.

no_of_directors
34

2. Check how many movies are released post-year 2000

Query: select count(*) as no_of_movies from imdb.movies where year > 2000;

Explanation:

Output

	no_of_movies
▶	10

Result 19 x

3. Find the list of genres of movies directed by Andrew Adamson

Query:

```
select genre from imdb.movies_genres as mg where mg.movie_id = (select movie_id from
imdb.movies_directors where director_id = (select id from imdb.directors where first_name =
"Andrew" and last_name = "Adamson"));
```

Explanation

```
select * from imdb.movies_genres;
```

```
select id from imdb.directors where first_name = "Andrew" and last_name = "Adamson";
```

```
select movie_id from imdb.movies_directors where director_id = (select id from imdb.directors
where first_name = "Andrew" and last_name = "Adamson");
```

```
select genre from imdb.movies_genres as mg where mg.movie_id = (select movie_id from
imdb.movies_directors where director_id = (select id from imdb.directors where first_name =
"Andrew" and last_name = "Adamson"));
```

Output

	genre
▶	Adventure
	Animation
	Comedy
	Family
	Fantasy
	Romance

movies_genres 21 x

4. List of directors whose movies are ranked between 7 to 8 ranking.

Query

```
select CONCAT(first_name,"last_name) as Directors from imdb.directors where id IN (select
director_id from imdb.movies_directors where movie_id IN (select id from imdb.movies as m
where m.rank BETWEEN 7 AND 8));
```

Explanation

```
select id from imdb.movies as m where m.rank BETWEEN 7 AND 8;
```

```
select director_id from imdb.movies_directors where movie_id IN (select id from imdb.movies
as m where m.rank BETWEEN 7 AND 8);
```

```
select CONCAT(first_name,"last_name) as Directors from imdb.directors where id IN (select
director_id from imdb.movies_directors where movie_id IN (select id from imdb.movies as m
where m.rank BETWEEN 7 AND 8));
```

Output – 20 results

Explanation

```
SELECT id from imdb.actors where first_name = "Julliet" and last_name = "Akinyi";
```

```
select id from imdb.movies where name = "Lost in Translation";
```

```
SELECT * from imdb.roles where actor_id = (SELECT id from imdb.actors where  
first_name = "Julliet" and last_name = "Akinyi") AND movie_id = (select id from  
imdb.movies where name = "Lost in Translation");
```

```
SELECT role from imdb.roles where actor_id = (SELECT id from imdb.actors where  
first_name = "Julliet" and last_name = "Akinyi") AND movie_id = (select id from  
imdb.movies where name = "Lost in Translation");
```



Output

	role
▶	Hans

6. List of the movies that contain the letter 'o' in any position

Query: select name from imdb.movies where name LIKE "%o%";

Output:

Result Grid			 Filter Rows:
	name		
▶	Animal House		
	Apollo 13		
	Fargo		
	Few Good Men, A		
	Footloose		
	Godfather, The		
	Hollow Man		
	Kill Bill: Vol. 1		
	Kill Bill: Vol. 2		
	Lost in Translation		
	Memento		
	O Brother, Wher...		
	Ocean's Eleven		
	Office Space		
	Pirates of the Ca...		
movies 34 x			

<	
Result Grid	
Filter Ro	
	name
	Hollow Man
	Kill Bill: Vol. 1
	Kill Bill: Vol. 2
	Lost in Translation
	Memento
	O Brother, Wher...
	Ocean's Eleven
	Office Space
▶	Pirates of the Ca...
	Planes, Trains & ...
	Pulp Fiction
	Reservoir Dogs
	Shawshank Rede...
	Stir of Echoes
movies 34 x	