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:

	no_of_directors
▶	34

   Result 18 ×

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 ×

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

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

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 31

Result Grid | Filter Rows:

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 31

5. **Find the role of Julliet Akinyi in Lost in Translation movie**

Query

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");

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 ×

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