

1) List of the actors whose last name is "Bear"

select * from actors a where a.last_name = "Bear";

The screenshot shows the MySQL Workbench interface. The 'Schemas' pane on the left displays the 'testdb' database with tables 'actors', 'directors', 'directors_genres', 'movies', 'movies_directors', 'movies_genres', and 'roles'. The 'Query' editor in the center contains the SQL query: `select * from actors a where a.last_name = "Bear";`. The 'Output' pane at the bottom shows the results of the query execution. The query was successful, returning 1 row(s) in 0.000 sec. The result set is displayed in a table with columns: id, first_name, last_name, gender, and film_count. The result is: 32842, Lightning, Bear, M, 1.

id	first_name	last_name	gender	film_count
32842	Lightning	Bear	M	1

2) List of movie names whose rank is between 7 and 8

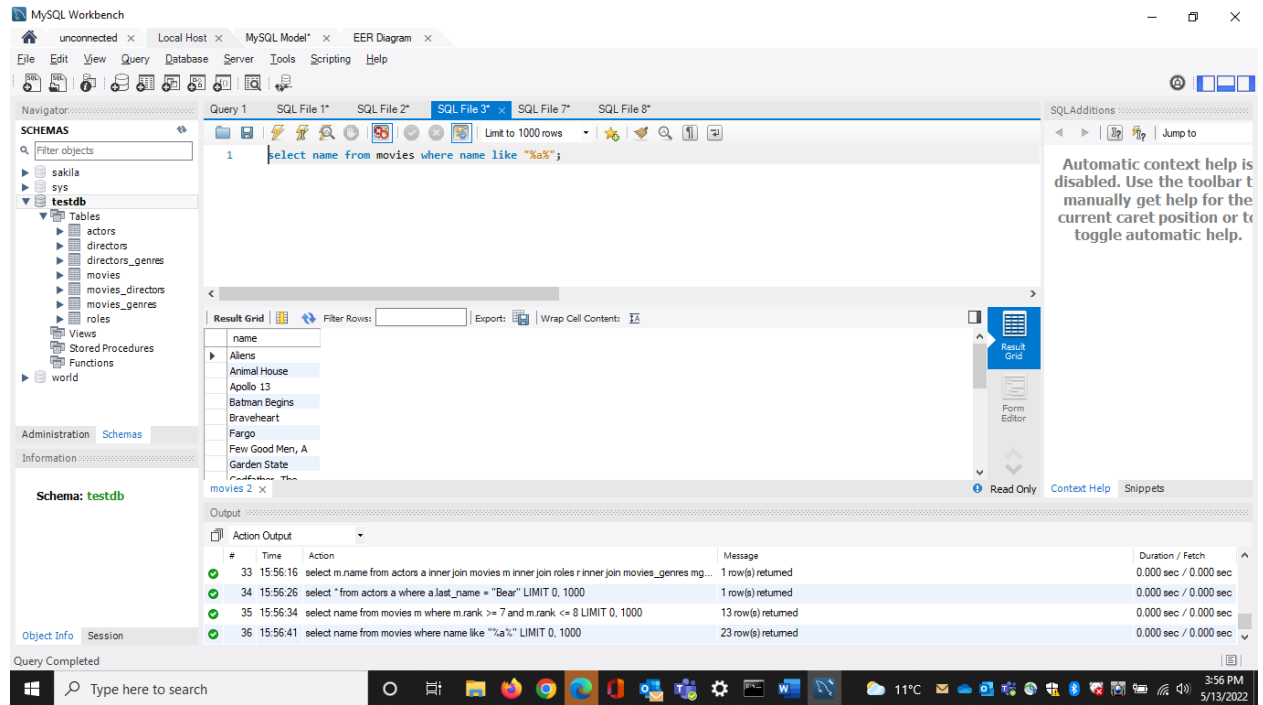
select name from movies m where m.rank >= 7 and m.rank <= 8;

The screenshot shows the MySQL Workbench interface. The 'Schemas' pane on the left displays the 'testdb' database with tables 'actors', 'directors', 'directors_genres', 'movies', 'movies_directors', 'movies_genres', and 'roles'. The 'Query' editor in the center contains the SQL query: `select name from movies m where m.rank >= 7 and m.rank <= 8;`. The 'Output' pane at the bottom shows the results of the query execution. The query was successful, returning 13 row(s) in 0.000 sec. The result set is displayed in a table with columns: name. The results are: Animal House, Apollo 13, Few Good Men, A, JFK, Little Mermaid, The, Lost in Translation, O Brother, Where Art Thou?, Ocean's Eleven, and others.

name
Animal House
Apollo 13
Few Good Men, A
JFK
Little Mermaid, The
Lost in Translation
O Brother, Where Art Thou?
Ocean's Eleven
...

- 3) List of the movies that have contains the letter 'a' in any position

select name from movies where name like "%a%";



The screenshot shows the MySQL Workbench interface. The 'Query' tab is active, displaying the SQL query: `select name from movies where name like "%a%";`. The 'Result Grid' shows the following results:

name
Aliens
Animal House
Apollo 13
Batman Begins
Braveheart
Fargo
Few Good Men, A
Garden State
Public Enemy

The 'Output' tab is also visible, showing the execution details of the query. The 'Action Output' section shows the following rows returned:

#	Time	Action	Message	Duration / Fetch
33	15:56:16	select m.name from actors a inner join movies m inner join roles r inner join movies_genres mg...	1 row(s) returned	0.000 sec / 0.000 sec
34	15:56:26	select * from actors a where a.last_name = "Bear" LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
35	15:56:34	select name from movies m where m.rank >= 7 and m.rank <= 8 LIMIT 0, 1000	13 row(s) returned	0.000 sec / 0.000 sec
36	15:56:41	select name from movies where name like "%a%" LIMIT 0, 1000	23 row(s) returned	0.000 sec / 0.000 sec

- 4) List of the directors whose movies are ranked with greater than 4 ranking.

select d.first_name, d.last_name from directors d inner join movies_directors md inner join movies m on d.id = md.director_id and md.movie_id = m.id and m.rank >4;

MySQL Workbench interface showing a query result for directors and movies. The query is: `select d.first_name, d.last_name from directors d inner join movies_directors md inner join movies m on d.id = md.director_id`. The result grid shows columns `first_name` and `last_name` with data for James Cameron, John Landis, Ron Howard, Mel Gibson, Ethan Coen, Joel Coen, Rob Reiner, and David Fincher.

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

#	Time	Action	Message	Duration / Fetch
34	15:56:26	select * from actors a where a.last_name = "Bear" LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
35	15:56:34	select name from movies m where m.rank >= 7 and m.rank <= 8 LIMIT 0, 1000	13 row(s) returned	0.000 sec / 0.000 sec
36	15:56:41	select name from movies where name like "%a%" LIMIT 0, 1000	23 row(s) returned	0.000 sec / 0.000 sec
37	15:56:48	select d.first_name, d.last_name from directors d inner join movies_directors md inner join mo...	39 row(s) returned	0.000 sec / 0.000 sec

5) List of "Adventure" genre movies acted by the actors with the lastname – Bear

select m.name from actors a inner join movies m inner join roles r inner join movies_genres mg where m.id = mg.movie_id and m.id = r.movie_id and a.id = r.actor_id and mg.genre = "Adventure" and a.last_name = "Bear";

MySQL Workbench interface showing the query result for Adventure genre movies. The query is: `select m.name from actors a inner join movies m inner join roles r inner join movies_genres mg where m.id = mg.movie_id and m.id = r.movie_id and a.id = r.actor_id and mg.genre = "Adventure" and a.last_name = "Bear";`. The result grid shows the column `name` with the value `Star Wars`.

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

#	Time	Action	Message	Duration / Fetch
35	15:56:34	select name from movies m where m.rank >= 7 and m.rank <= 8 LIMIT 0, 1000	13 row(s) returned	0.000 sec / 0.000 sec
36	15:56:41	select name from movies where name like "%a%" LIMIT 0, 1000	23 row(s) returned	0.000 sec / 0.000 sec
37	15:56:48	select d.first_name, d.last_name from directors d inner join movies_directors md inner join mo...	39 row(s) returned	0.000 sec / 0.000 sec
38	15:56:54	select m.name from actors a inner join movies m inner join roles r inner join movies_genres mg...	1 row(s) returned	0.000 sec / 0.000 sec