PROGRAM 9

Consider the schema for Movie Database:

```
ACTOR (Act_id, Act_Name, Act_Gender)

DIRECTOR (Dir_id, Dir_Name, Dir_Phone)

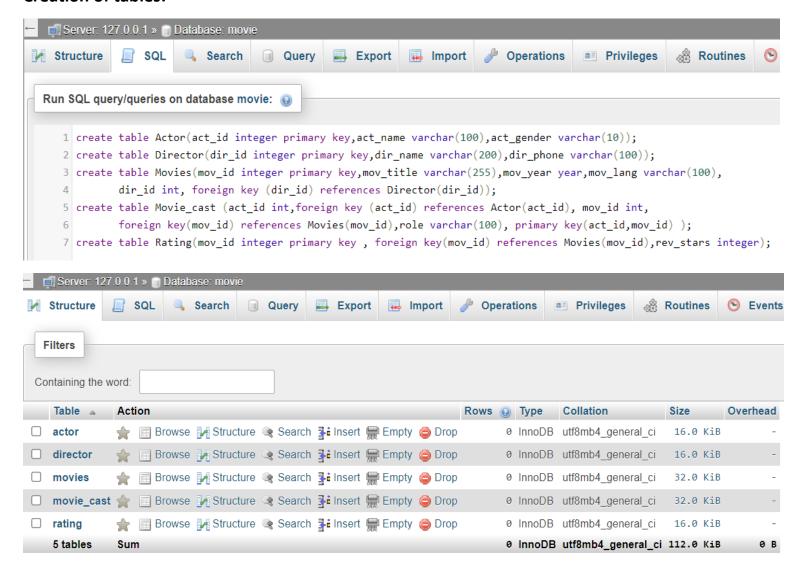
MOVIES (Mov_id, Mov_Title, Mov_Year, Mov_Lang, Dir_id)

MOVIE_CAST (Act_id, Mov_id, Role)

RATING (Mov_id, Rev_Stars)
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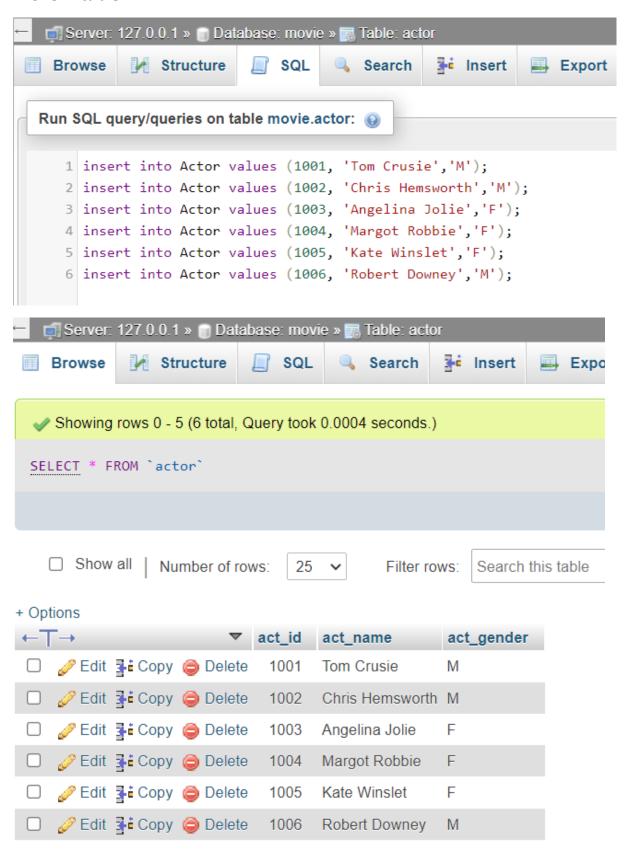
Write SQL queries to

Creation of tables:

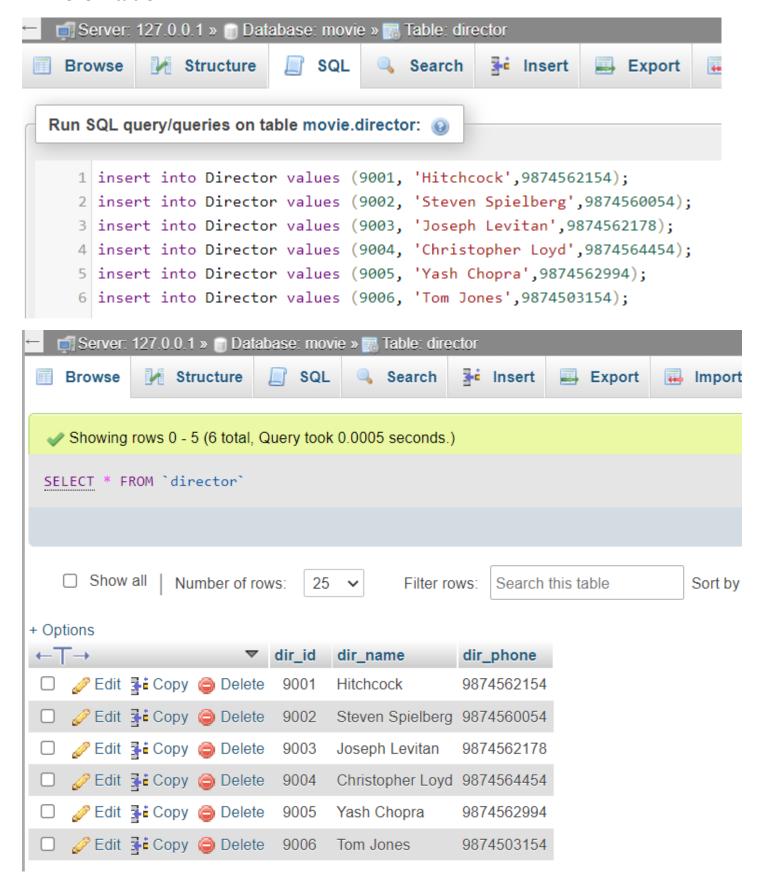


Insertion into tables:

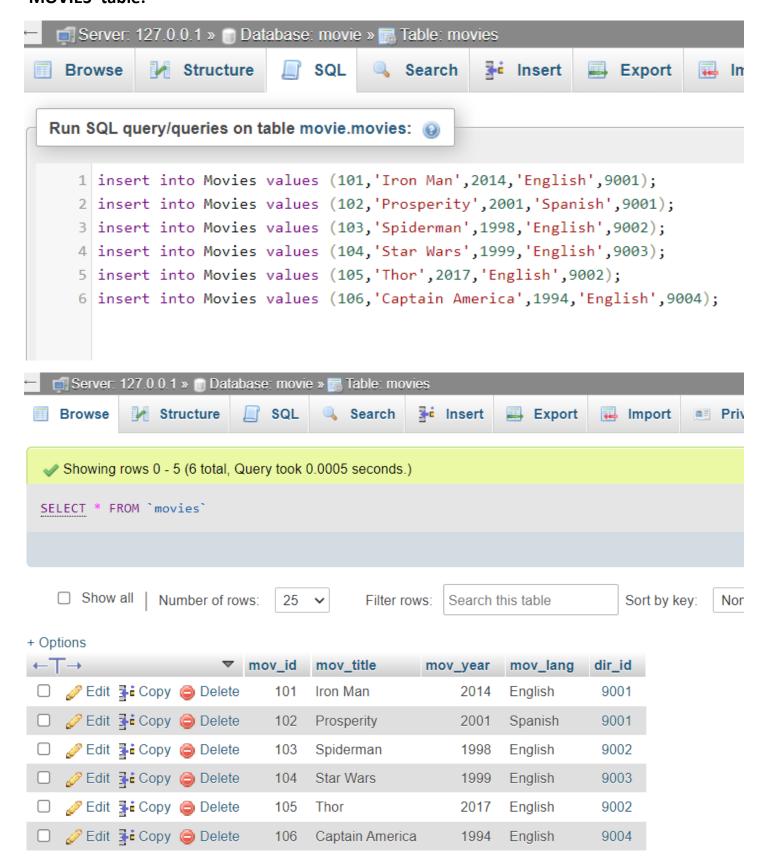
'ACTOR' table:



'DIRECTOR' table:



'MOVIES' table:



'MOVIE CAST' table:



'RATING' table:



i. List the titles of all movies directed by 'Hitchcock'.

Query:

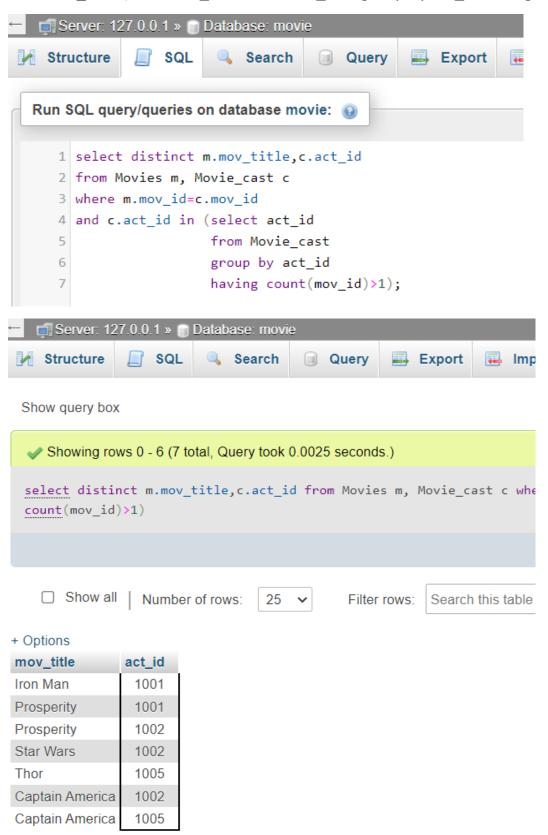
select mov_title from Movies where dir_id in (select dir_id from Director where dir_name='Hitchcock');



ii. Find the movie names where one or more actors acted in two or more movies.

Query:

select distinct m.mov_title,c.act_id from Movies m, Movie_cast c where m.mov_id=c.mov_id and c.act_id in (select act_id from Movie_cast group by act_id having count(mov_id)>1);



iii. List all actors who acted in a movie before 2000 and also in a movie after 2015 (use JOIN operation).

Query:

select act_name from Actor where act_id in(select a.act_id from (select act_id from Movie_cast natural join Movies where mov_year<2000)a inner join (select act_id from Movie_cast natural join Movies where mov_year>2015)b on a.act_id=b.act_id);



iv. Find the title of movies and number of stars for each movie that has at least one rating and find the highest number of stars that movie received. Sort the result by movie title.

Query:

select mov_title,max(rev_stars) from Movies m,Rating r where m.mov_id=r.mov_id group by m.mov_title having count(r.rev_stars)>0;



v. Update rating of all movies directed by 'Steven Spielberg' to 5.

Query:

update Rating set rev_stars=5 where mov_id in (select mov_id from Movies inner join Director on Movies.dir_id=Director.dir_id and Director.dir_name='Steven Spielberg');

