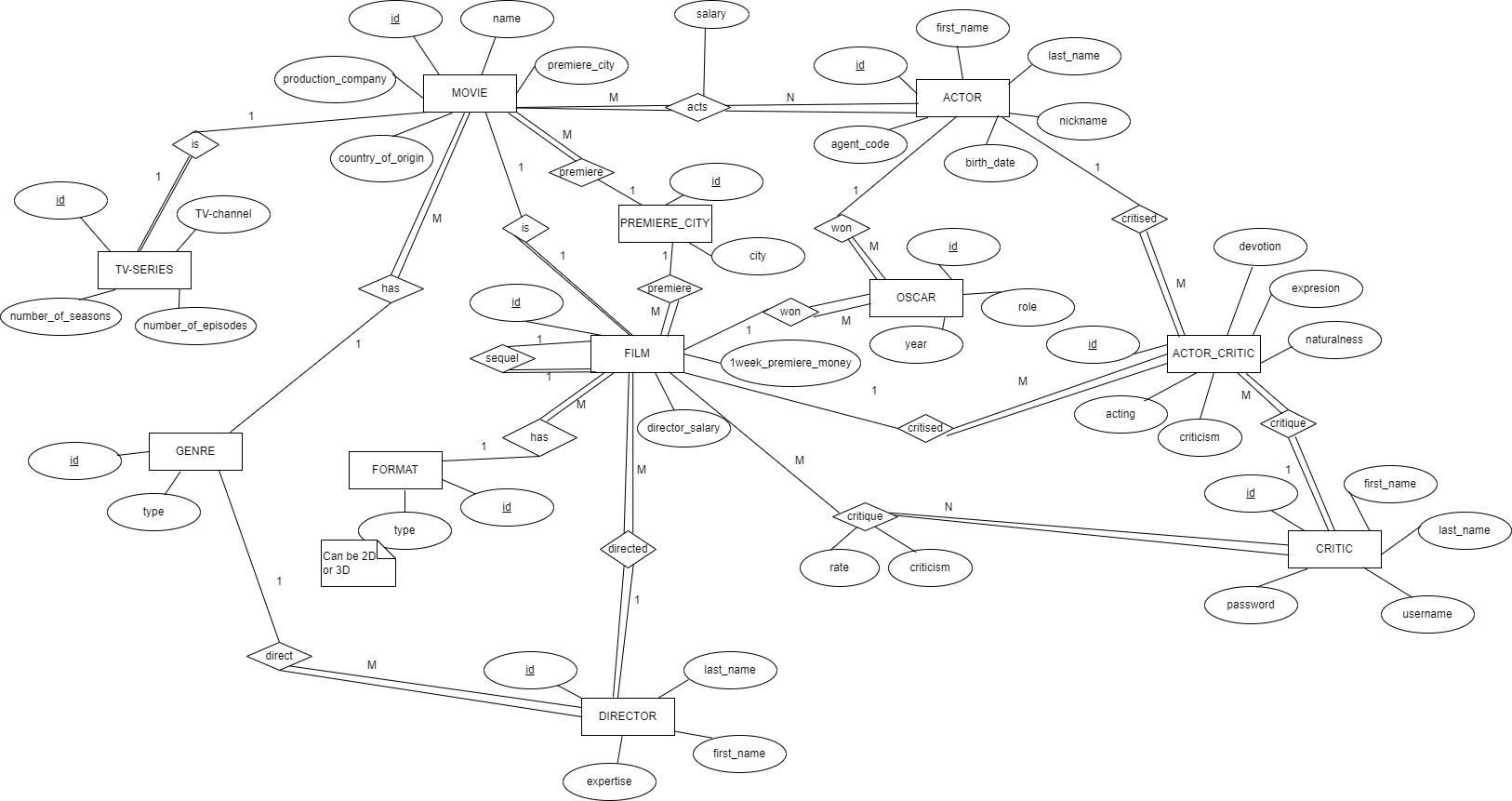
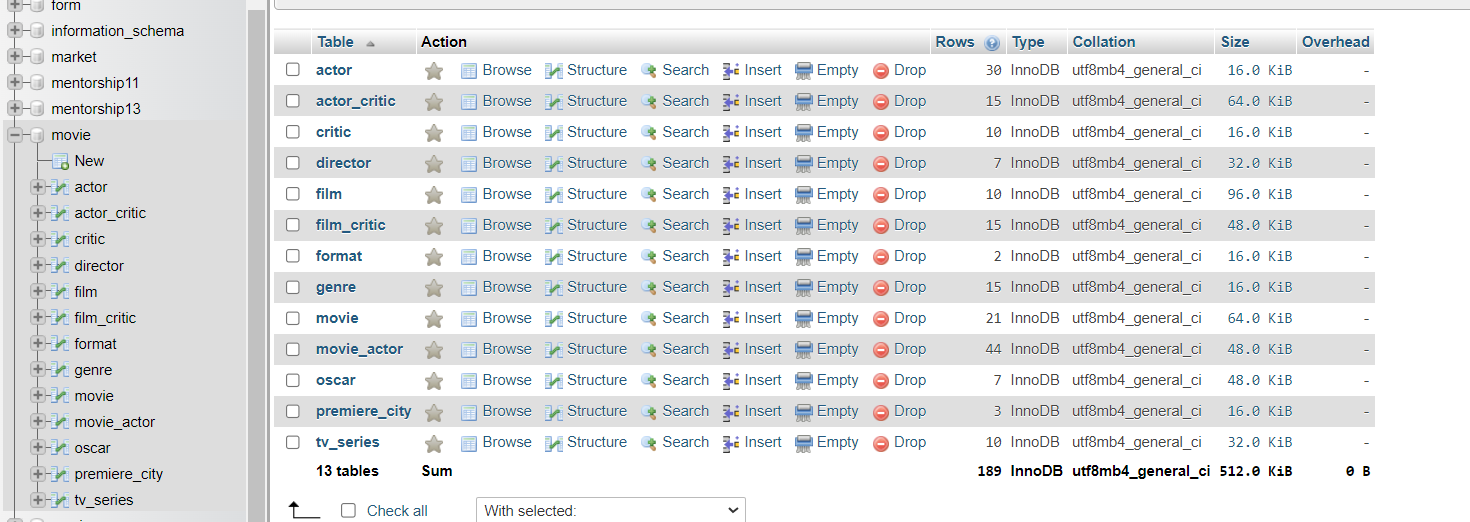
**Challenge 10 – ER diagram with SQL queries**

**1 point:**

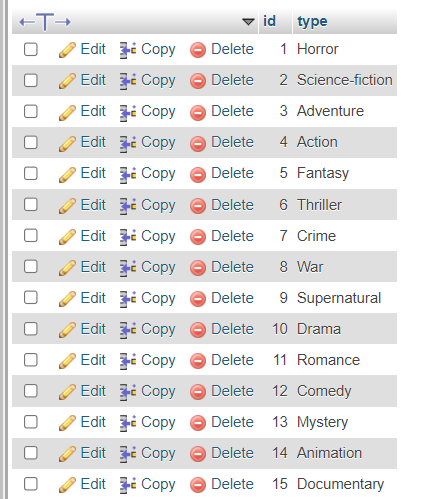




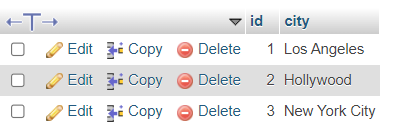
SELECT \* FROM movie;



SELECT \* FROM genre;



SELECT \* FROM premiere\_city;



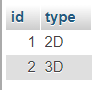
SELECT \* FROM tv\_series;



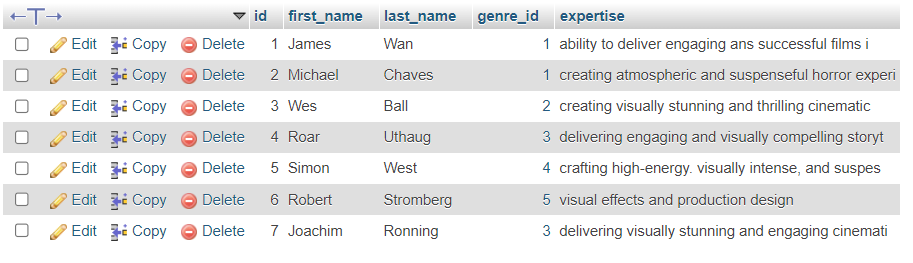
SELECT \* FROM film;



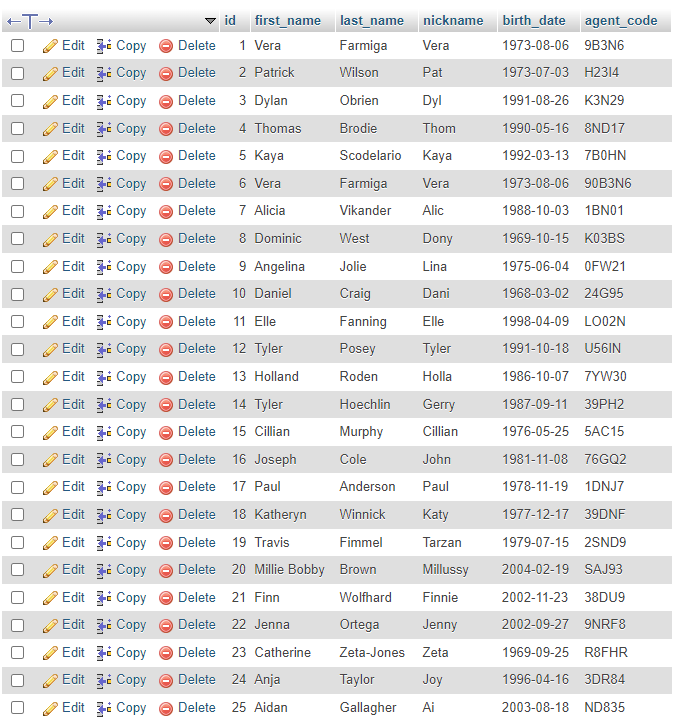
SELECT \* FROM format;

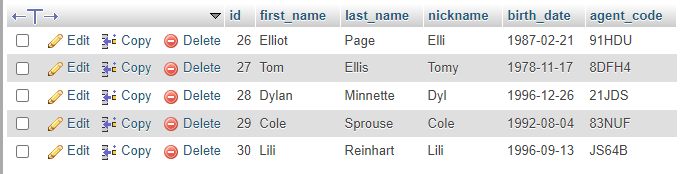


SELECT \* FROM director;

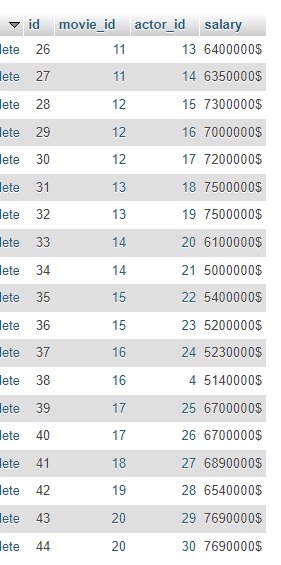


SELECT \* FROM actor;

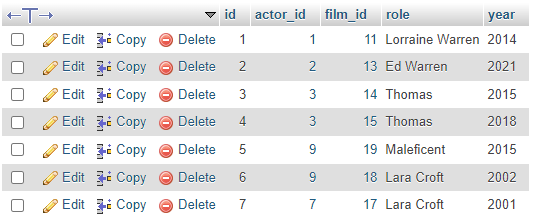




SELECT \* FROM movie\_actor;



SELECT \* FROM oscar;



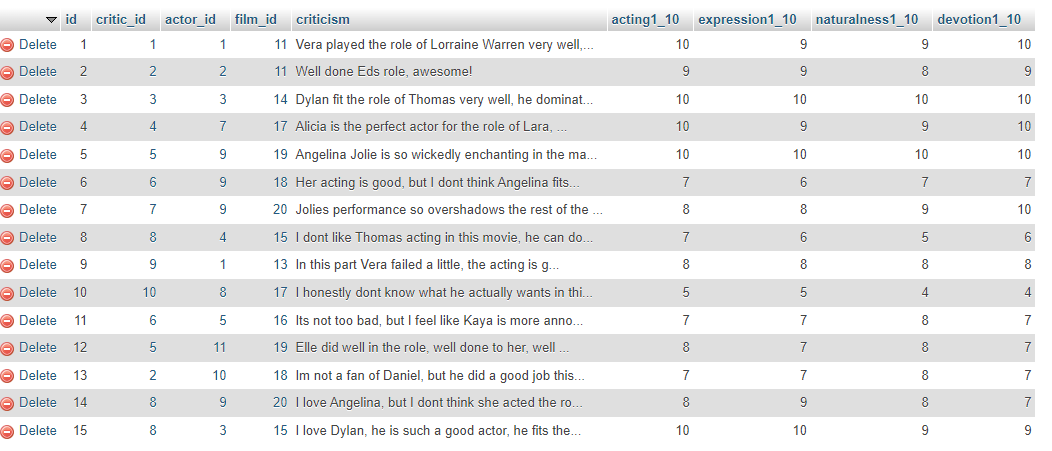
SELECT \* FROM critic;



SELECT \* FROM film\_critic;



SELECT \* FROM actor\_critic;



**3 points**

* SELECT m.id, m.name, pc.city AS premiere\_city, g.type AS genre, m.country\_of\_origin, m.production\_company, COUNT(ma.actor\_id) AS number\_of\_actors

FROM movie m JOIN movie\_actor ma ON ma.movie\_id=m.id JOIN actor a ON ma.actor\_id=a.id JOIN genre g ON m.genre\_id=g.id JOIN premiere\_city pc ON m.premiere\_city\_id=pc.id

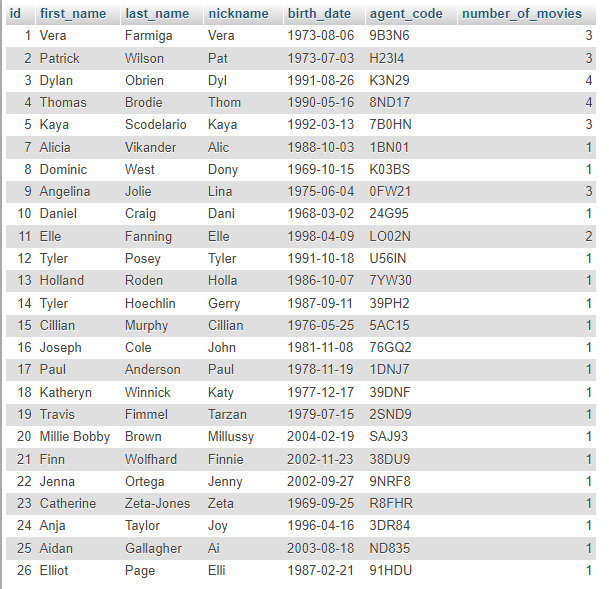
GROUP BY m.name;



* SELECT a.\*, COUNT(ma.actor\_id) AS number\_of\_movies

FROM movie m JOIN movie\_actor ma ON ma.movie\_id=m.id JOIN actor a ON ma.actor\_id=a.id

GROUP BY a.id;



* SELECT fi.id, fi.movie\_name, pc.city AS premiere\_city, fi. 1week\_premiere\_money, fo.type AS format

FROM film fi JOIN format fo ON fi.format\_id=fo.id JOIN premiere\_city pc ON fi.premiere\_city\_id=pc.id

ORDER BY fo.type ASC;



* SELECT f.movie\_name, o.role, o.year, a.\*

FROM film f JOIN oscar o ON o.film\_id=f.id JOIN actor a ON o.actor\_id=a.id

ORDER BY o.year DESC;

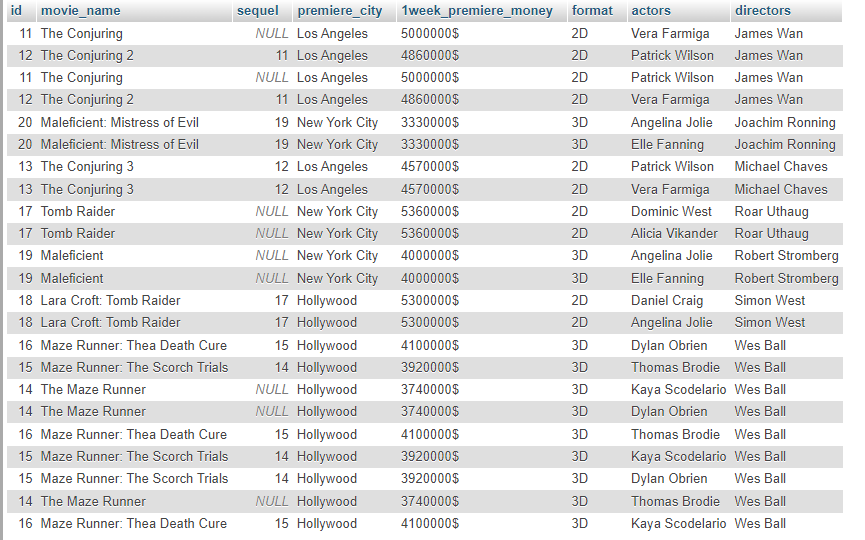


**5 points**

* SELECT f.id, f.movie\_name, f.sequel, pc.city AS premiere\_city, f.1week\_premiere\_money, fo.type AS format, CONCAT(a.first\_name,' ', a.last\_name) AS actors, CONCAT(d.first\_name,' ', d.last\_name) AS directors

FROM director d JOIN film f ON f.director\_id=d.id JOIN movie m ON f.movie\_name=m.name JOIN movie\_actor ma ON ma.movie\_id=m.id JOIN actor a ON ma.actor\_id=a.id JOIN premiere\_city pc ON f.premiere\_city\_id=pc.id JOIN format fo ON f.format\_id=fo.id

ORDER BY d.first\_name ASC;



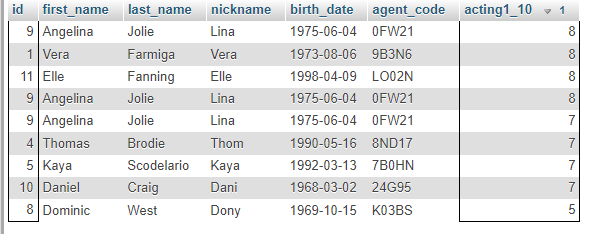
* SELECT a.\*, ac.acting1\_10

FROM actor a JOIN actor\_critic ac ON ac.actor\_id=a.id

WHERE ac.acting1\_10 < (SELECT AVG(ac.acting1\_10)

FROM actor a JOIN actor\_critic ac ON ac.actor\_id=a.id)

ORDER BY ac.acting1\_10 DESC;



* SELECT DISTINCT a.first\_name, a.last\_name, a.birth\_date, FLOOR(DATEDIFF(CURRENT\_DATE, a.birth\_date) / 365) AS age

FROM actor a JOIN oscar o ON o.actor\_id=a.id

WHERE FLOOR(DATEDIFF(CURRENT\_DATE, a.birth\_date) / 365) > (SELECT AVG(FLOOR(DATEDIFF(CURRENT\_DATE, birth\_date) / 365)) FROM actor) ;

