

Data Engineer

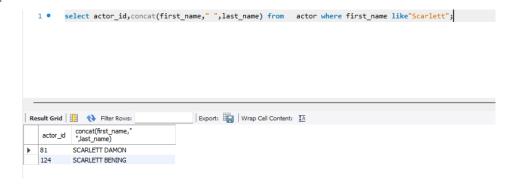
Assignment 2

Under supervisor ENG: Hazem Omar

Name: Abdullah Ibrahim Mahmoud

Q1) Which actors have the first name 'Scarlett'

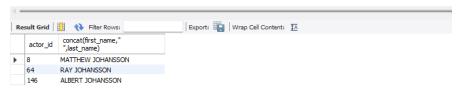
Solution



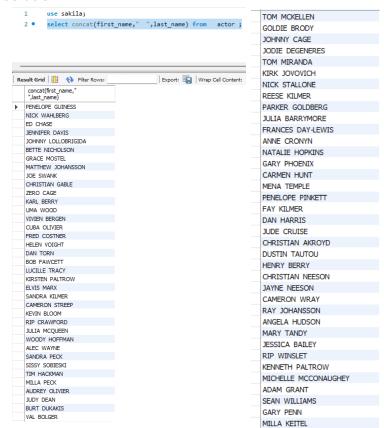
(22) Which actors have the last name 'Johansson'

Solution 1 5

select actor_id,concat(first_name," ",last_name) from actor where last_name like"Johansson";



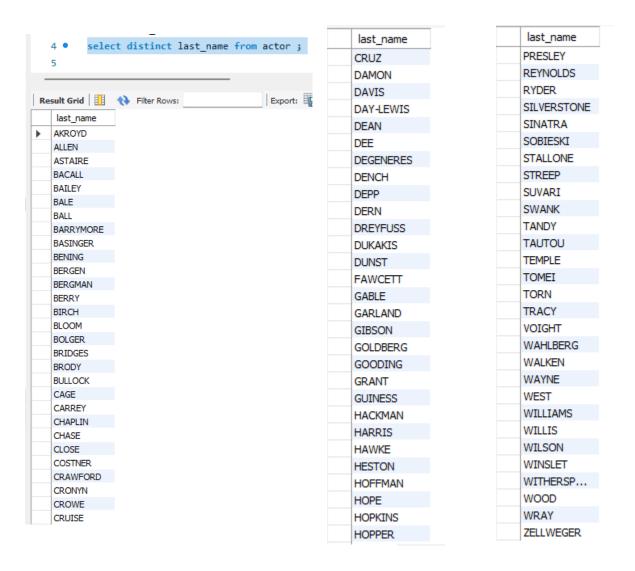
Q3) Display the first and last names of all actors from the table actor



Q4) How many distinct actors last names are there?

Solution

Q5) Which last names are not repeated?



Q6) Write a query to find the full name of the actor who has acted in the maximum number of movies.?

Solution

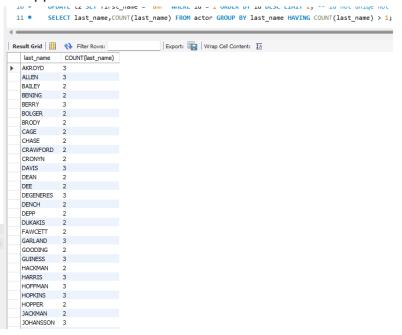
```
select concat(a.first_name," " ,a.last_name )as "full name ",COUNT(fc.film_id)from actor AS a
 12 •
         INNER join film actor AS fc
 13
         using (actor_id )
 14
         group by a.actor_id
 15
         order by COUNT(fc.film_id) desc
 16
        limit 1 ;
 17
                                                                              -
                                      Export: Wrap Cell Content: 🖽 Fetch rows:
full name
                 COUNT(fc.film_id)
GINA DEGENERES
```

Write a query to find the full name of the actor who has acted in the third most number of movies.

Solution

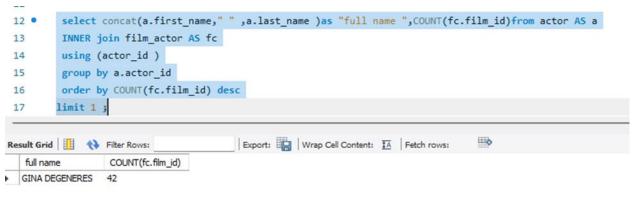
```
select concat(a.first_name," " ,a.last_name )as "full name ",COUNT(fc.film_id)from actor AS a
 12 •
 13
         INNER join film actor AS fc
 14
         using (actor id )
 15
         group by a.actor id
         order by COUNT(fc.film id) desc
 16
 17
         limit 1 offset 2;
 18
                                                                              -
                                      Export: Wrap Cell Content: 🖽 Fetch rows:
full name
              COUNT(fc.film_id)
MARY KEITEL
```

(08) . Which last names appear more than once?



Q9). Which actor has appeared in the most films?

Solution

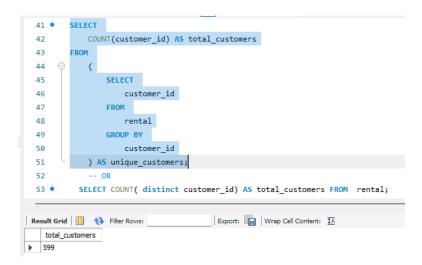


Q10). Write a query to find the full names of those customers who have rented at least one movie and belong to the city Arlington.



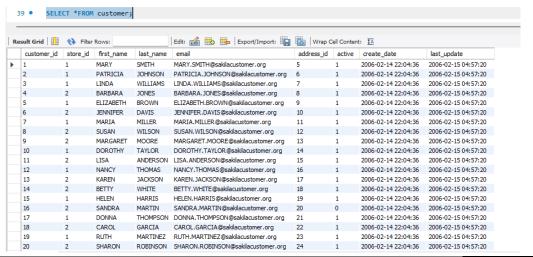
```
SELECT DISTINCT CONCAT(c.first_name, ' ', c.last_name) AS "full_name", count(r.rental_id),ci.city
  2 •
  3
         FROM customer as c
         INNER JOIN address as a
         ON c.address id = a.address id
         INNER JOIN city as ci
        ON a.city_id = ci.city_id
        INNER JOIN rental as r
  8
        ON c.customer_id = r.customer_id
        WHERE ci.city = "Arlington"
 10
         group by c.customer_id
 11
         having count(r.rental_id)> 1;
Export: Wrap Cell Content: 🖽
   full_name
                  count(r.rental_id) city
▶ RICHARD MCCRARY 25
                                Arlington
```

Q11). Use group by statement to calculate the total customers who have rented in Sakila DB



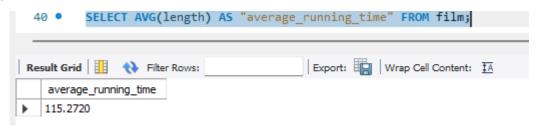
Q12).. Select all the information from the customer entity.

Solution



Q<mark>13)</mark>.. What is the average running time of all the films in the Sakila DB?

Solution



Q<mark>14)</mark>. What is the average running time of all the films in the Sakila DB? Solution

