MySQL PROJECT

1.Write a SQL query to count the number of characters except for the spaces for each actor.

Return the first 10 actors' name lengths along with their names.

[QUERY:]

**select \* from actor;**

**select concat(first\_name, last\_name) from actor as NAME;**

**select length(first\_name) + length(last\_name) as NAME\_LENGTH from actor; -- well, that's new '+'**

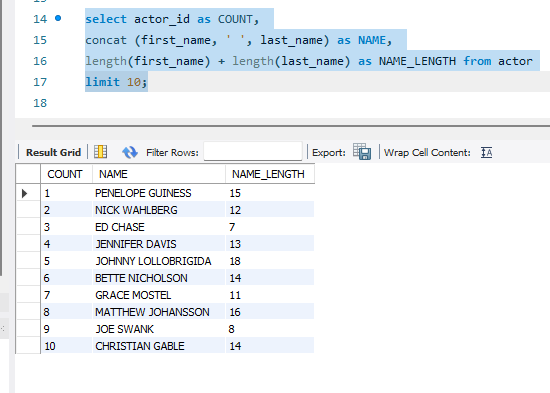
**select actor\_id as COUNT,**

**concat (first\_name, ' ', last\_name) as NAME,**

**length(first\_name) + length(last\_name) as NAME\_LENGTH from actor**

**limit 10;**

[OUTPUT:]

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2.List all Oscar awardees(Actors who received the Oscar award)

with their full names and the length of their names.

[QUERY:]

**select \* from actor; #actor\_id**

**select \* from actor\_award; #actor\_id**

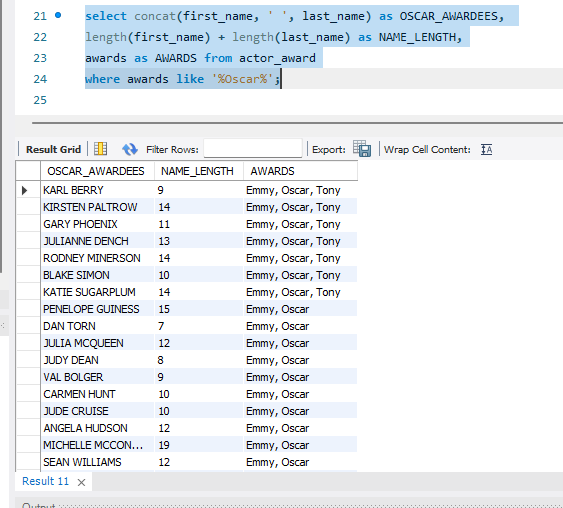
**select concat(first\_name, ' ', last\_name) as OSCAR\_AWARDEES,**

**length(first\_name) + length(last\_name) as NAME\_LENGTH,**

**awards as AWARDS from actor\_award**

**where awards like '%Oscar%';**

[OUTPUT:]

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3.Find the actors who have acted in the film ‘Frost Head.’

[QUERY:]

**select \* from actor; #actor\_id**

**select \* from film\_actor; #actor\_id, #film\_id**

**select \* from film; #film\_id**

**select a.actor\_id, concat(first\_name, ' ', last\_name) as NAME,**

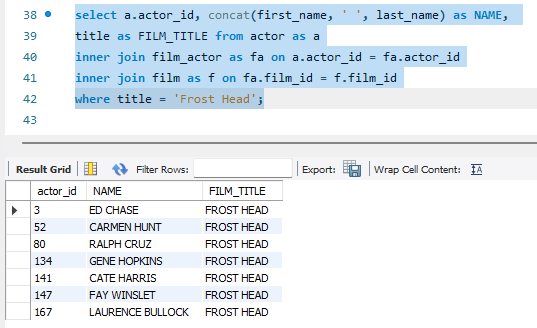
**title as FILM\_TITLE from actor as a**

**inner join film\_actor as fa on a.actor\_id = fa.actor\_id**

**inner join film as f on fa.film\_id = f.film\_id**

**where title = 'Frost Head';**

[OUTPUT:]



4.Pull all the films acted by the actor ‘Will Wilson’.

[QUERY:]

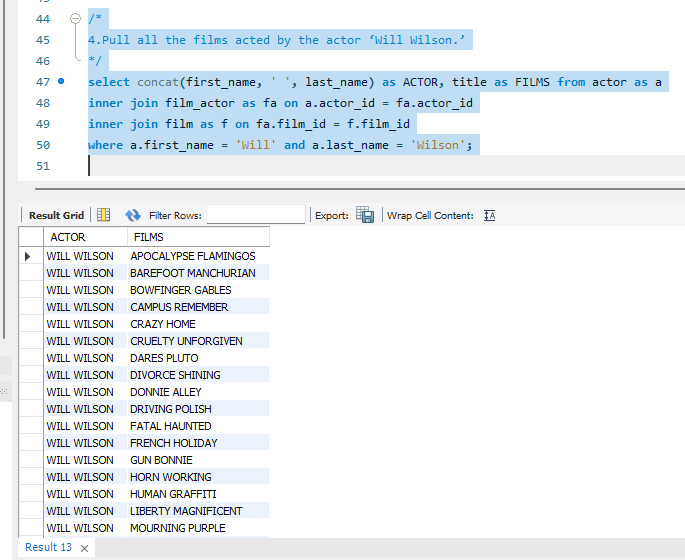
**select concat(first\_name, ' ', last\_name) as ACTOR, title as FILMS from actor as a**

**inner join film\_actor as fa on a.actor\_id = fa.actor\_id**

**inner join film as f on fa.film\_id = f.film\_id**

**where a.first\_name = 'Will' and a.last\_name = 'Wilson';**

[OUTPUT:]

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5.Pull all the films which were rented and return them in the month of May.

[QUERY:]

**select \* from film; #film\_id**

**select \* from inventory; #film\_id, inventory\_id**

**select \* from rental; #rental\_id, inventory\_id, customer\_id**

**select title as TITLE, r.rental\_date as RENTAL\_DATE, r.return\_date as RETURN\_DATE from film as f**

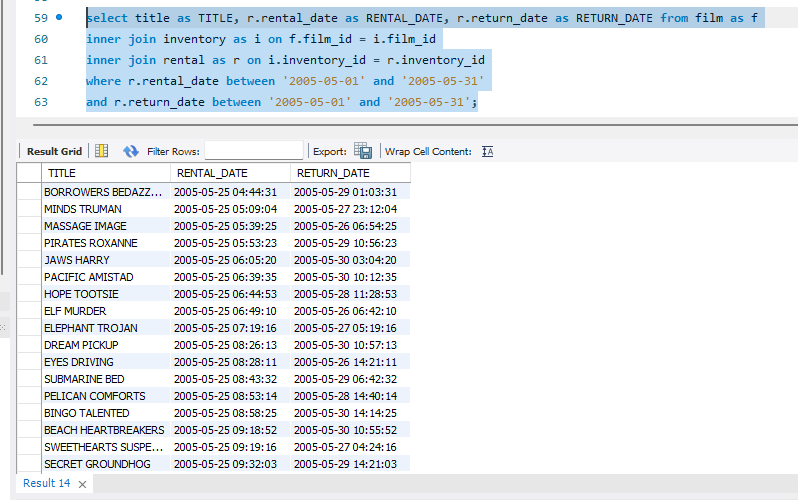
**inner join inventory as i on f.film\_id = i.film\_id**

**inner join rental as r on i.inventory\_id = r.inventory\_id**

**where r.rental\_date between '2005-05-01' and '2005-05-31'**

**and r.return\_date between '2005-05-01' and '2005-05-31';**

[OUTPUT:]



6.Pull all the films with ‘Comedy’ category.

[QUERY:]

**select \* from film; #film\_id**

**select \* from film\_category; #film\_id, category\_id**

**select \* from category; #category\_id**

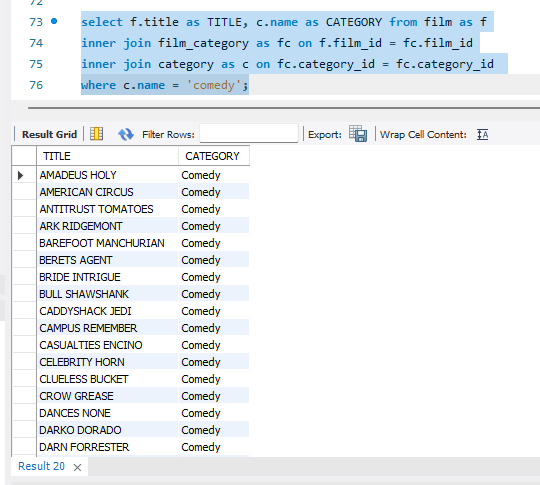
**select f.title as TITLE, c.name as CATEGORY from film as f**

**inner join film\_category as fc on f.film\_id = fc.film\_id**

**inner join category as c on fc.category\_id = fc.category\_id**

**where c.name = 'comedy';**

[OUTPUT:]

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