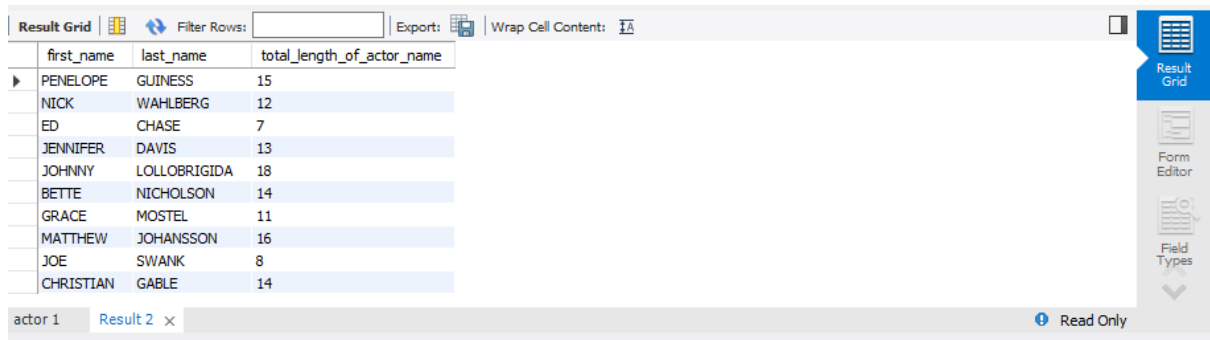


-- SQL MANDATORY PROJECT 1 -- SUBMITTED BY VIDHYADHAR MELAM S4989 --

-- Q1 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.

```
select * from actor;  
  
select first_name, last_name, length(first_name) + length(last_name)  
  
as total_length_of_actor_name  
  
from actor  
  
limit 10;
```

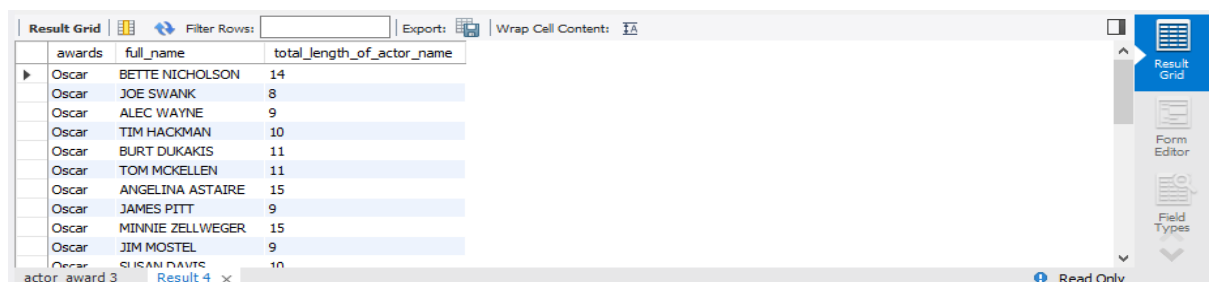


The screenshot shows a database query result grid with the following data:

first_name	last_name	total_length_of_actor_name
PENELOPE	GUINESS	15
NICK	WAHLBERG	12
ED	CHASE	7
JENNIFER	DAVIS	13
JOHNNY	LOLLOBRIGIDA	18
BETTE	NICHOLSON	14
GRACE	MOSTEL	11
MATTHEW	JOHANSSON	16
JOE	SWANK	8
CHRISTIAN	GABLE	14

-- Q2 List all Oscar awardees(Actors who received the Oscar award) with their full names and the length of their names.

```
select * from actor_award;  
  
select awards, CONCAT(first_name, ' ', last_name)  
  
as full_name, length(first_name) + length(last_name)  
  
as total_length_of_actor_name  
  
From actor_award  
  
where awards = 'oscar';
```



The screenshot shows a database query result grid with the following data:

awards	full_name	total_length_of_actor_name
Oscar	BETTE NICHOLSON	14
Oscar	JOE SWANK	8
Oscar	ALEC WAYNE	9
Oscar	TIM HACKMAN	10
Oscar	BURT DUKAKIS	11
Oscar	TOM MCKELLEN	11
Oscar	ANGELINA ASTAIRE	15
Oscar	JAMES PITT	9
Oscar	MINNIE ZELLWEGER	15
Oscar	JIM MOSTEL	9
Oscar	SUSAN DAVIS	10

-- Q3 Find the actors who have acted in the film 'Frost Head.'

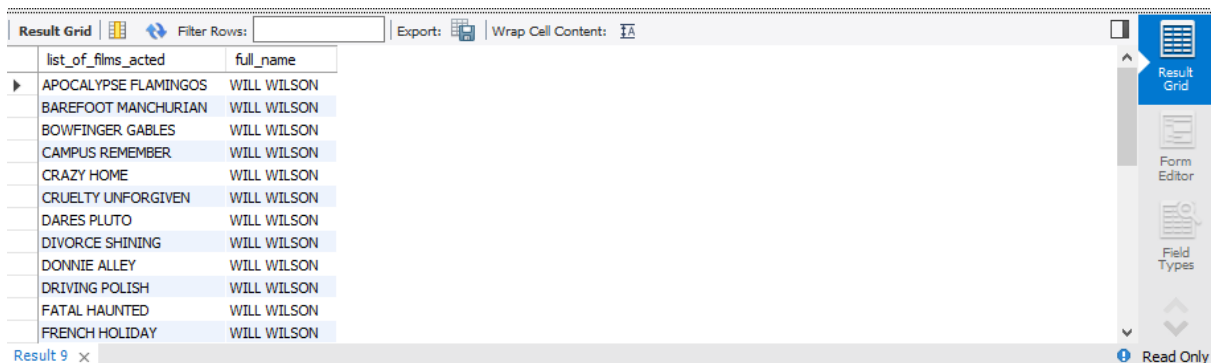
```
select * from actor;  
  
select * from film_actor;  
  
select * from film;  
  
select title, CONCAT(first_name, ' ', last_name)  
as full_name from actor  
inner join film_actor on actor.actor_id = film_actor.actor_id  
inner join film on film_actor.film_id = film.film_id  
where title = 'frost head';
```



title	full_name
FROST HEAD	ED CHASE
FROST HEAD	CARMEN HUNT
FROST HEAD	RALPH CRUZ
FROST HEAD	GENE HOPKINS
FROST HEAD	CATE HARRIS
FROST HEAD	FAY WINSLET
FROST HEAD	LAURENCE BULLOCK

-- Q4 Pull all the films acted by the actor 'Will Wilson'

```
select title as list_of_films_acted, CONCAT(first_name, ' ', last_name)  
as full_name from actor  
inner join film_actor on actor.actor_id = film_actor.actor_id  
inner join film on film_actor.film_id = film.film_id  
where first_name = 'Will' and last_name = 'Wilson';
```



list_of_films_acted	full_name
APOCALYPSE FLAMINGOS	WILL WILSON
BAREFOOT MANCHURIAN	WILL WILSON
BOWFINGER GABLES	WILL WILSON
CAMPUS REMEMBER	WILL WILSON
CRAZY HOME	WILL WILSON
CRUELTY UNFORGIVEN	WILL WILSON
DARES PLUTO	WILL WILSON
DIVORCE SHINING	WILL WILSON
DONNIE ALLEY	WILL WILSON
DRIVING POLISH	WILL WILSON
FATAL HAUNTED	WILL WILSON
FRENCH HOLIDAY	WILL WILSON

-- Q5 Pull all the films which were rented and return them in the month of May

```
select * from film;
```

```
select * from rental;
```

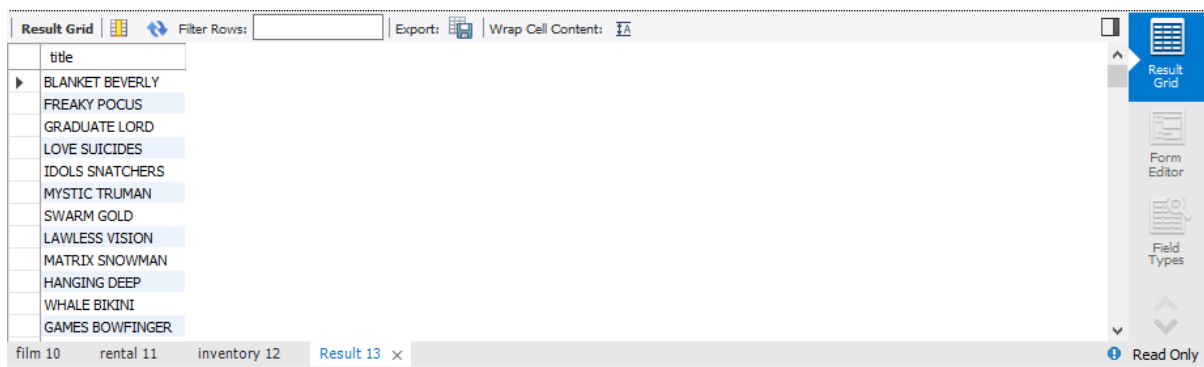
```
select * from inventory;
```

```
select title from film
```

```
inner join inventory on film.film_id = inventory.film_id
```

```
inner join rental on inventory.inventory_id = rental.inventory_id
```

```
where rental_date between '2005-05-01' and '2005-05-31';
```



The screenshot shows a database query result grid with a list of film titles. The titles are: BLANKET BEVERLY, FREAKY POCUS, GRADUATE LORD, LOVE SUICIDES, IDOLS SNATCHERS, MYSTIC TRUMAN, SWARM GOLD, LAWLESS VISION, MATRIX SNOWMAN, HANGING DEEP, WHALE BIKINI, and GAMES BOWFINGER. The interface includes a 'Result Grid' tab, a 'Filter Rows' input field, and an 'Export' button. The bottom status bar shows 'film 10', 'rental 11', 'inventory 12', and 'Result 13'.

title
BLANKET BEVERLY
FREAKY POCUS
GRADUATE LORD
LOVE SUICIDES
IDOLS SNATCHERS
MYSTIC TRUMAN
SWARM GOLD
LAWLESS VISION
MATRIX SNOWMAN
HANGING DEEP
WHALE BIKINI
GAMES BOWFINGER

-- Q6 Pull all the films with 'Comedy' category

```
select * from category;
```

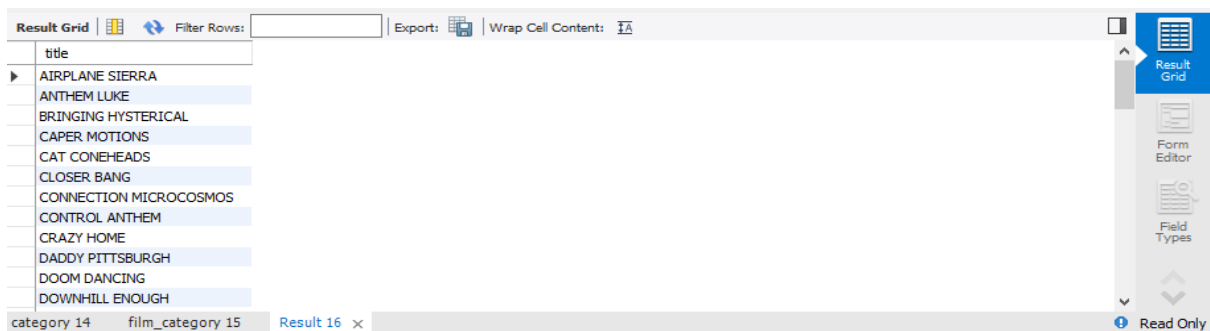
```
select * from film_category;
```

```
select title from film
```

```
inner join film_category on film.film_id = film_category.film_id
```

```
inner join category on film_category.category_id = category.category_id
```

```
where name = 'comedy';
```



The screenshot shows a database query result grid with a list of film titles. The titles are: AIRPLANE SIERRA, ANTHEM LUKE, BRINGING HYSTERICAL, CAPER MOTIONS, CAT CONEHEADS, CLOSER BANG, CONNECTION MICROCOSMOS, CONTROL ANTHEM, CRAZY HOME, DADDY PITTSBURGH, DOOM DANCING, and DOWNHILL ENOUGH. The interface includes a 'Result Grid' tab, a 'Filter Rows' input field, and an 'Export' button. The bottom status bar shows 'category 14', 'film\_category 15', and 'Result 16'.

title
AIRPLANE SIERRA
ANTHEM LUKE
BRINGING HYSTERICAL
CAPER MOTIONS
CAT CONEHEADS
CLOSER BANG
CONNECTION MICROCOSMOS
CONTROL ANTHEM
CRAZY HOME
DADDY PITTSBURGH
DOOM DANCING
DOWNHILL ENOUGH