


Natalie Lamborn
MIS HW #2
My SQL #1

Questions

1. What is the title and rental rate for all films rated PG-13 and shorter than 50 minutes?
Display: name and rental rate

<pre>SELECT film.title, film.rental_rate FROM moviedb.film WHERE film.rating='PG-13' AND film.length <50;</pre>	<pre>HALLOWEEN NUTS 2.99 HAWK CHILL 0.99 KWAI HOMEWARD 0.99 LABYRINTH LEAGUE 2.99 NOTTING SPEAKEASY 0.99 PARADISE SABRINA 2.99 RIDGEMONT SUBMARINE 0.99 VALENTINE VANISHING 0.99</pre>
--	--

Query 1 x

 Limit to 1000 rows

```
1 SELECT film.title, film.rental_rate
2 FROM moviedb.film
3 WHERE film.rating='PG-13'
4 AND film.length <50;
```

Result Grid

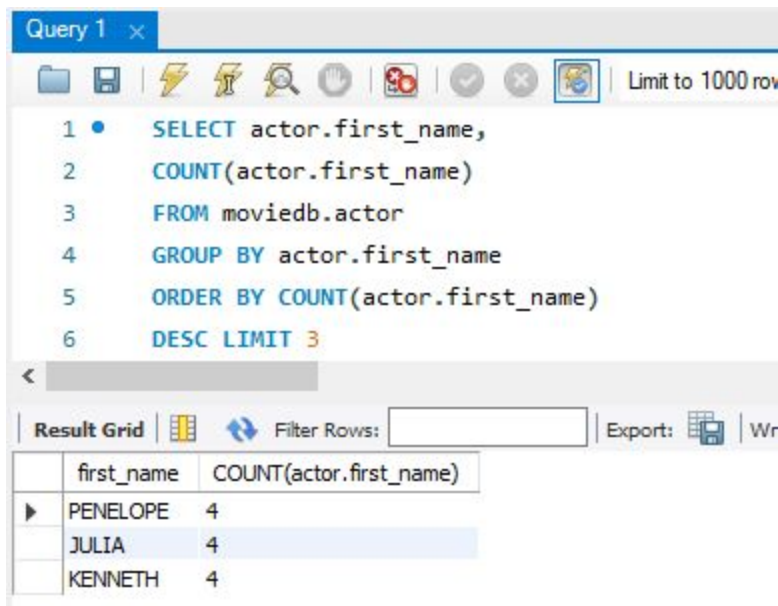
	title	rental_rate
▶	HALLOWEEN NUTS	2.99
	HAWK CHILL	0.99
	KWAI HOMEWARD	0.99
	LABYRINTH LEAGUE	2.99
	NOTTING SPEAKEASY	0.99
	PARADISE SABRINA	2.99
	RIDGEMONT SUBMARINE	0.99
	VALENTINE VANISHING	0.99

Export: Wrap Cell Content: ☐

film 49 x

2. What are the most popular first names among the actors in the database (just list the first three)? Display: first name and the how many times that name appears in the database

SELECT actor.first_name, COUNT(actor.first_name) FROM moviedb.actor GROUP BY actor.first_name ORDER BY COUNT (actor.first_name) DESC LIMIT 3	PENELOPE 4 JULIA 4 KENNETH 4
---	------------------------------------



The screenshot shows a query editor window titled 'Query 1'. The SQL query is as follows:

```

1 • SELECT actor.first_name,
2     COUNT(actor.first_name)
3     FROM moviedb.actor
4     GROUP BY actor.first_name
5     ORDER BY COUNT(actor.first_name)
6     DESC LIMIT 3

```

Below the query editor, the 'Result Grid' is displayed, showing the results of the query:

first_name	COUNT(actor.first_name)
PENELOPE	4
JULIA	4
KENNETH	4

3. What is the average length for each movie rating (i.e., G, PG, R, NC-17), listed in **ascending** order by average length? Display: rating and average length

SELECT film.rating, AVG(film.length) FROM moviedb.film GROUP BY film.rating ORDER BY AVG(film.length) ASC;	G 111.0506 PG 112.0052 NC-17 113.2286 R 118.6615 PG-13 120.4439
--	---

Query 1	
<div> <div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> </div> <div>Limit to 10</div> </div>	
1	SELECT film.rating,
2	AVG(film.length)
3	FROM moviedb.film
4	GROUP BY film.rating
5	ORDER BY AVG(film.length) ASC
6	
<div> <div>Result Grid</div> <div>Filter Rows:</div> <div>Export:</div> </div>	
rating	AVG(film.length)
G	111.0506
PG	112.0052
NC-17	113.2286
R	118.6615
PG-13	120.4439

4. How many movies with a G rating mention 'action' in their description? (Hint: use WHERE...LIKE with a wildcard. Remember, %dog% will match any value containing "dog," %dog will any value ending in "dog," and dog% will match any value beginning in "dog.")
 Display: number of movies

SELECT COUNT(*) FROM moviedb.film WHERE film.rating='G' AND film.description LIKE '%action%';	5
--	---

Query 1

Limit to 100

```

1 SELECT COUNT(*)
2 FROM moviedb.film
3 WHERE film.rating='G'
4 AND film.description LIKE '%action%';

```

Result Grid

COUNT(*)
5

5. What is the street address of Patricia Johnson? (Hint: Assume all customer names are unique; use the **customer's name** in the query.) Display: street address

```

SELECT address.address
FROM moviedb.customer, moviedb.address
WHERE customer.address_id =
address.address_id
AND customer.first_name='Patricia'
AND customer.last_name='Johnson';

```

1121 Loja Avenue

Query 1

Limit to 1000 rows

```

1 • SELECT address.address
2 FROM moviedb.customer, moviedb.address
3 WHERE customer.address_id = address.address_id
4 AND customer.first_name='Patricia'
5 AND customer.last_name='Johnson';

```

Result Grid

address
1121 Loja Avenue

6. Who were the stars of the movie “Frogmen Breaking”? Display: first name and last name of the actors

<pre>SELECT actor.first_name, actor.last_name FROM moviedb.actor, moviedb.film, moviedb.film_actor WHERE film.film_id=film_actor.film_id AND actor.actor_id = film_actor.actor_id AND film.title='Frogmen Breaking';</pre>	<p>BEN WILLIS ELLEN PRESLEY MORGAN MCDORMAND RIVER DEAN RUSSELL TEMPLE LAURENCE BULLOCK</p>
--	---

The screenshot shows a database query tool interface. At the top, there's a toolbar with various icons and a 'Limit to 1000 rows' dropdown. Below the toolbar, the SQL query is displayed in a text area:

```
1 • SELECT actor.first_name, actor.last_name
2 FROM moviedb.actor, moviedb.film, moviedb.film_actor
3 WHERE film.film_id=film_actor.film_id
4 AND actor.actor_id = film_actor.actor_id
5 AND film.title='Frogmen Breaking';
```

Below the query editor, there's a 'Result Grid' section. It includes a 'Filter Rows' input field, an 'Export' button, and a 'Wrap Cell Content' checkbox. The result grid itself shows a table with two columns: 'first_name' and 'last_name'. The data rows are:

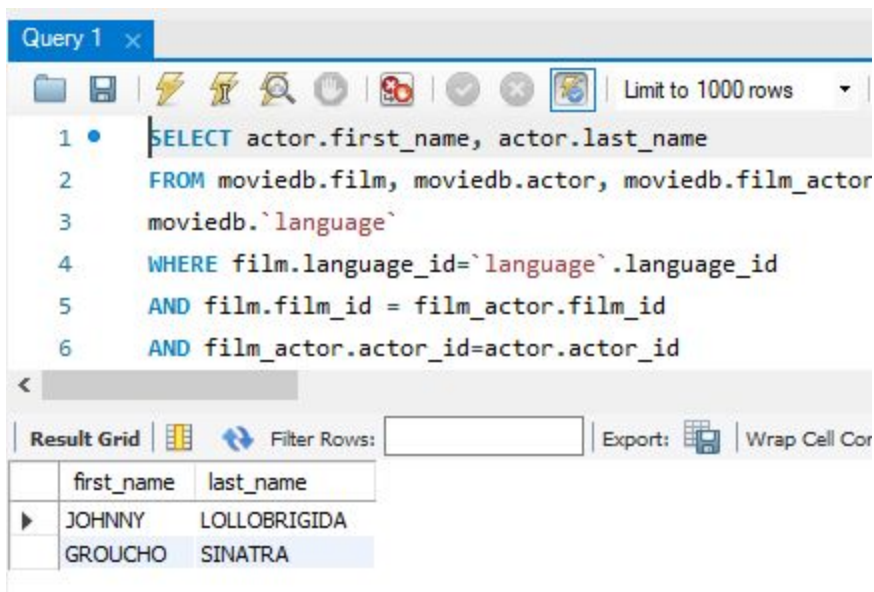
first_name	last_name
BEN	WILLIS
ELLEN	PRESLEY
MORGAN	MCDORMAND
RIVER	DEAN
RUSSELL	TEMPLE
LAURENCE	BULLOCK

On the right side of the interface, there are buttons for 'Result Grid' and 'Form Editor'. At the bottom, there's a 'Result 50' tab and a 'Read Only' indicator.

7. Which actors with a last name ending with the letter “A” have starred in movies in the French language? (Two hints: (1) Be sure to reference the language name “French” in your query and (2) Don’t forget previous hints!) Display: first name and last name

<pre>SELECT actor.first_name, actor.last_name FROM moviedb.film, moviedb.actor, moviedb.film_actor, moviedb.`language`</pre>	<p>JOHNNY LOLLOBRIGIDA GROUCHO SINATRA</p>
--	--

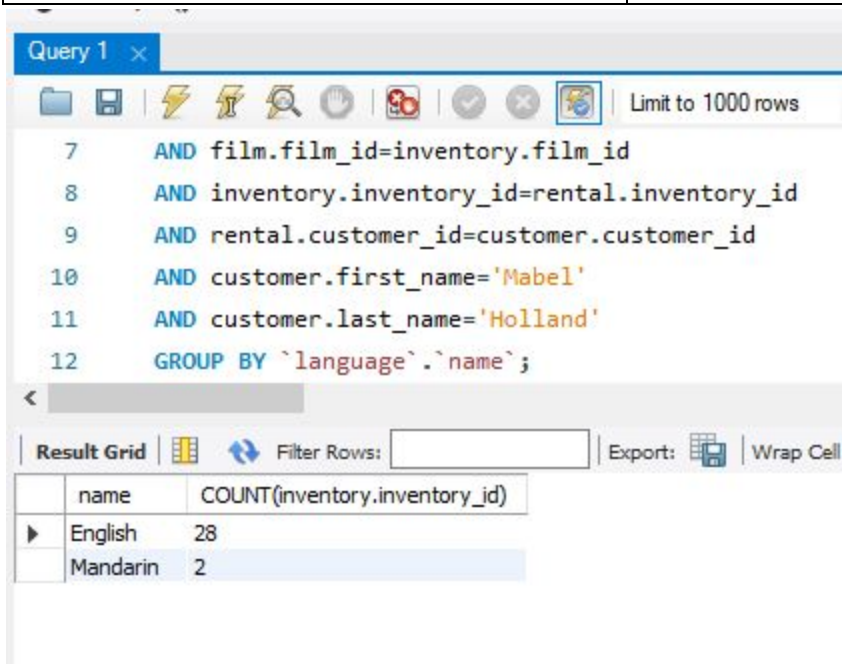
WHERE film.language_id=`language`.language_id AND film.film_id = film_actor.film_id AND film_actor.actor_id=actor.actor_id AND `language`.`name`='French' AND actor.last_name LIKE '%a';	
---	--



8. Which are the languages of the movies that Mabel Holland has rented and how many has she rented in each of those languages? (Hint: Use the customer's name in your query.) Display: language name and how many movie rentals

SELECT `language`.`name`, COUNT(*) FROM moviedb.`language`, moviedb.film, moviedb.inventory, moviedb.rental, moviedb.customer WHERE film.language_id=`language`.language_id AND film.film_id=inventory.film_id AND inventory.inventory_id=rental.inventory_id AND rental.customer_id=customer.customer_id AND customer.first_name='Mabel'	English: 28 Mandarin: 2
--	----------------------------

```
AND customer.last_name='Holland'
GROUP BY `language`.`name`;
```



9. What is the longest G-rated movie in English and how long is it? (Two hints: (1) Use a subselect statement with the MAX() function to return only the longest movie(s) and (2) be sure to reference the language name "English" in your query.) Display: movie title and movie length

```
SELECT film.title, film.length
FROM moviedb.film, moviedb.`language`
WHERE film.rating='G' AND
`language`.`name`='English'
AND
film.language_id=`language`.language_id
AND film.length=(SELECT MAX(film.length)
FROM
moviedb.film, moviedb.`language`
WHERE film.rating='G' AND
`language`.`name`='English'
AND
film.language_id=`language`.language_id);
```

```
CONTROL ANTHEM 185
DARN FORRESTER 185
MUSCLE BRIGHT 185
```


Query 1 x

Limit to 1000 rows

```

1 • SELECT film.title, film.length
2   FROM moviedb.film, moviedb.`language`
3   WHERE film.rating='G' AND `language`.`name`='English
4   AND film.language_id=`language`.language_id
5   AND film.length=(SELECT MAX(film.length) FROM
6   moviedb.film, moviedb.`language`
7   WHERE film.rating='G' AND `language`.`name`='English
8   AND film.language_id=`language`.language_id);
9

```

Result Grid

	title	length
▶	CONTROL ANTHEM	185
	DARN FORRESTER	185
	MUSCLE BRIGHT	185

10. What was the shortest movie starring Daryl Crawford, how long is it, and what was its rating? (Hint: Use a subselect statement with the MIN() function to return only the shortest movie(s).) Display: movie title, movie length, and movie rating

```

SELECT film.title, film.length, film.rating
FROM moviedb.film, moviedb.actor,
moviedb.film_actor
WHERE film.film_id=film_actor.film_id
AND film_actor.actor_id=actor.actor_id
AND actor.first_name='Daryl' AND
actor.last_name='Crawford'
AND film.length = (SELECT MIN(film.length)
FROM moviedb.film, moviedb.actor,
moviedb.film_actor
WHERE film.film_id=film_actor.film_id
AND film_actor.actor_id=actor.actor_id
AND actor.first_name='Daryl' AND
actor.last_name='Crawford');

```

DOWNHILL ENOUGH, 47, G

