yaml Yami V

number headings: auto, first-level 1, max 6, contents ^toc, 1.01.

For your Lesson 2 Hands-On, you will be working with your new knowledge on SQL queries. This Hands-On will be graded, so be sure you complete all requirements. Please read through the below setup instructions before starting your project.

0.1. Table of contents

- 0.1. Table of contents
- 0.2. Setup
- 1. Part 1
- . 1.1. Write a query to find the first and last name, customer ID and rental ID for customers who have rented a film.
- 1.2. Write a query that finds all films with actors that have an actor\ id 5.
- 1.3. Write a query that lists out all information of every film along with the name of the language for each film, even if a language doesn't exist for that film.
- 1.4. Write a query that lists out the title of films and the name of the actors who starred in those films. Additionally, only list films that starred artists whose first names start with a vowel.
- 2. Part 2
- 3. When Finished

0.2. Setup

This Hands-On is structured into two parts, and each part may ask you to run multiple queries. After each query, please take a screenshot of the MySQL Workbench output and add it to a Word document (or an equivalent) and name this file SQL-Hands0n2. This way, you will be able to submit your answers to each part all at once.

You will utilize the sakila database that you have been using for this course within MySQL Workbench.

Now you are ready to get started! Good luck!

1. Part 1

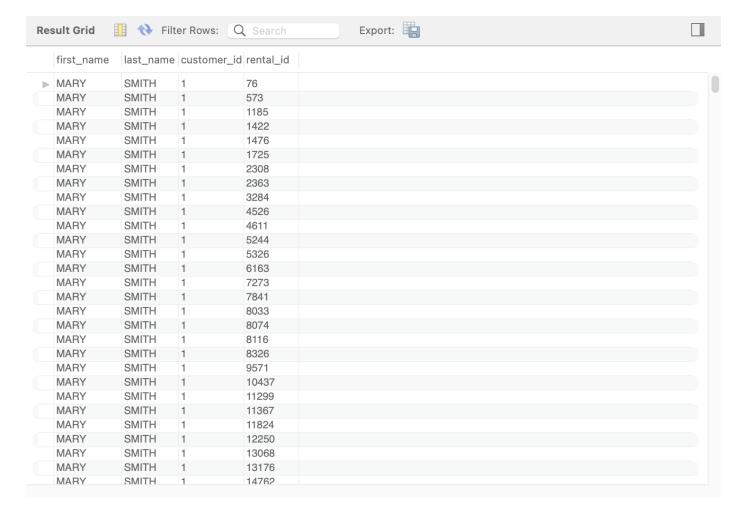
Each of the below queries will include at least one Join. Read carefully and be sure to think about which columns you can use to Join the necessary tables.

Run the following queries:

1.1. Write a query to find the first and last name, customer ID and rental ID for customers who have rented a film.

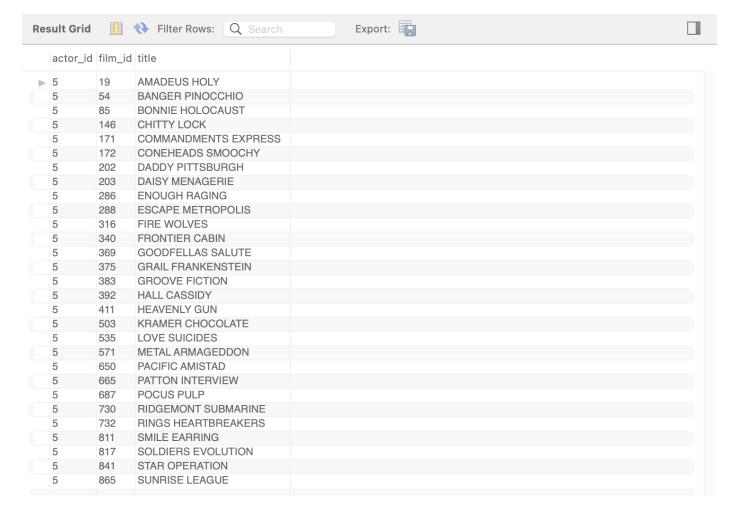
```
/* SELECT first_name, last_name, customer_id FROM sakila.customer
laso need SELECT rental_id FROM sakila.rental
JOIN sakila.rental USING (customer_id) */

SELECT first_name, last_name, customer_id, rental_id
FROM sakila.customer
JOIN sakila.rental USING (customer_id)
```



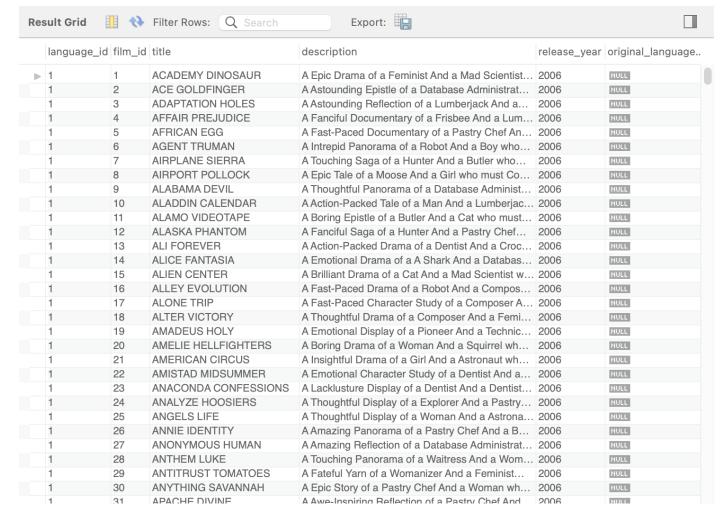
1.2. Write a query that finds all films with actors that have an actor_id 5.

```
Mysql ~
   /* First need to get only actor_id = 5
1
2
3
       actor_id, film_id => sakila.film_actor
       film_id, title => sakila.film */
4
5
6
   SELECT actor_id, film_id, title
7
    FROM sakila.film_actor
   JOIN sakila.film USING (film_id)
8
9
   WHERE actor_id = 5;
```



1.3. Write a query that lists out all information of every film along with the name of the language for each film, even if a language doesn't exist for that film.

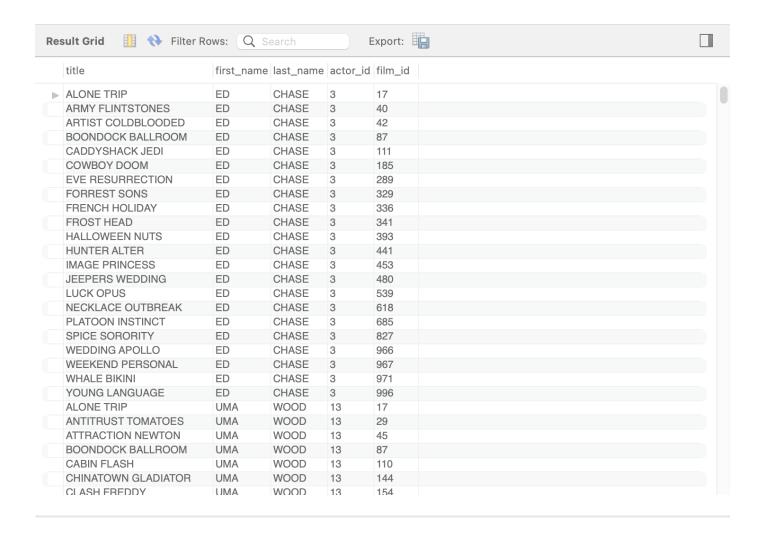
```
Mysql
    /* use the "wildcard" asterisk for all columns
1
2
       join all the films -- use RIGHT OUTER JOIN to get
3
       null values in language if language is RIGHT
4
       database
5
       common column is `film_id`*/
6
7
    SELECT * FROM sakila.film
    /* some other stuff I tried but had to eliminate to
8
9
       troubleshoot which direction I needed to go.
       JOIN sakila.film_actor USING (film_id)
10
11
       JOIN sakila.film_category USING (film_id)
       JOIN sakila.film_text USING (film_id) */
12
    LEFT OUTER JOIN sakila.language USING (language_id);
```



1.4. Write a query that lists out the title of films and the name of the actors who starred in those films. Additionally, only list films that starred artists whose first names start with a vowel.

```
Mysql ~
1
    /* first query:
2
3
       NEED title, film_id FROM sakila.film
4
       NEED film_id, actor_id FROM sakila.film_actor
5
       NEED actor_id, first_name, last_name FROM
6
       sakila.actor
7
       Overlap: film_id > actor_id */*
8
9
    SELECT title, first name, last name
    FROM sakila.film
10
    JOIN sakila.film_actor USING (film_id)
11
12
    JOIN sakila.actor USING (actor_id)
```





2. Part 2

Below is a real-life scenario. Please read this scenario and run the appropriate queries needed.

You have just been hired as a Data Analyst for a company that rents films to customers. They would like an inventory list of films that were rented for more than \$4.99.

Tip!

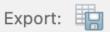
Pay close attention to the column names and give them unique names if a column name is repeated.

```
/*
title (sakila.film)
film_id (sakila.film) => film_id (sakila.inventory)
inventory_id (sakila.inventory) => inventory_id (sakila.rental)
rental_id (sakila.rental) => rental_id (sakila.payment)
amount (sakila.payment)
WHERE amount > 4.99
*/
SELECT title, film_id, inventory_id, rental_id, amount
FROM sakila.film
JOIN sakila.inventory USING (film_id)
JOIN sakila.rental USING (inventory_id)
JOIN sakila.payment USING (rental_id)
WHERE amount > 4.99
ORDER BY
        amount DESC,
```

Result Grid



Filter Rows: Q Search



	title	film_id	inventory_id	rental_id	amount
	FLINTSTONES HAPPINESS	324	1480	14763	11.99
	MIDSUMMER GROUNDHOG	575	2625	3973	11.99
	MINE TITANS	580	2649	4383	11.99
	SCORPION APOLLO	771	3520	8831	11.99
	SCORPION APOLLO	771	3524	16040	11.99
	SHOW LORD	791	3627	106	11.99
	STING PERSONAL	846	3871	14759	11.99
	TIES HUNGER	889	4077	11479	11.99
	TRAP GUYS	908	4176	15415	11.99
	VIRTUAL SPOILERS	946	4343	2166	11.99
	AMERICAN CIRCUS	21	103	135	10.99
	AMERICAN CIRCUS	21	103	6793	10.99
	AMERICAN CIRCUS	21	105	11257	10.99
	AMERICAN CIRCUS	21	104	12667	10.99
	AUTUMN CROW	46	208	2306	10.99
	BACKLASH UNDEFEATED	48	214	13263	10.99
	BEAST HUNCHBACK	60	270	5872	10.99
•	BEAST HUNCHBACK	60	270	15290	10.99
	BEHAVIOR RUNAWAY	65	288	1718	10.99
	BEHAVIOR RUNAWAY	65	289	7470	10.99
	BILKO ANONYMOUS	71	319	6991	10.99
	BILKO ANONYMOUS	71	316	7904	10.99
	BILKO ANONYMOUS	71	318	10361	10.99
	BILKO ANONYMOUS	71	318	15226	10.99
	BRIGHT ENCOUNTERS	98	443	3957	10.99
	CARIBBEAN LIBERTY	120	553	3830	10.99
	CARIBBEAN LIBERTY	120	552	11086	10.99
	CARIBBEAN LIBERTY	120	553	14327	10.99
	CARIBBEAN LIBERTY	120	551	15425	10.99
	CASUALTIES ENCINO	126	578	860	10.99
	CASUALTIES ENCINO	126	579	7503	10.99
	DAUGHTER MADIGAN	214	961	15008	10.99
	DOORS PRESIDENT	243	1090	3272	10.99
	FLASH WARS	321	1469	8886	10.99
	FLINTSTONES HAPPINESS	324	1484	1301	10.99
	FI INTSTONES HAPPINESS	324	1481	8557	10 99

	U		000.	10.00
FLINTSTONES HAPPINESS	324	1482	9338	10.99
FOOL MOCKINGBIRD	327	1496	11503	10.99
FOOL MOCKINGBIRD	327	1494	12753	10.99
FOOL MOCKINGBIRD	327	1492	14024	10.99
GARDEN ISLAND	350	1598	10776	10.99
HUSTLER PARTY	444	2041	8811	10.99
HUSTLER PARTY	444	2046	9178	10.99

3. When Finished

Be sure to zip and submit your SQL-Hands0n2 Word document when finished! You will not be able to re-submit, so be sure all necessary screenshots to each part are located within this document.