

For your Lesson 3 Practice Hands-On, you will be working with your new knowledge on SQL queries. This Hands-On will **not** be graded, but you are encouraged to complete it. The best way to become great at working with databases is to practice! Once you have submitted your project, you will be able to access the solution on the next page. Please read through the below setup instructions before starting your project.

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## 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 output and add it to a Word document (or an equivalent) and name this file `SQL-HandsOn3`. This way, you will be able to submit your answers to each part all at once.

Now you are ready to get started! Good luck!

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## Part 1

**Note:** You will be working in the same sakila database.

**To Submit:** Be sure to zip and submit your `SQL-HandsOn3` Word document when finished! You will not be able to re-submit, so be sure the screenshots to each part are located within this document.

Run the following queries:

### 1a.

Write a query that Inserts a new actor into the database.

MySQL ▾

```
1  /* Use Mason McClure (nephew) because why not? :D
2  with last_update being the last text message
   I got from him. */

INSERT INTO sakila.actor (first_name, last_name, last_update)
VALUES ("Mason", "McClure", "2022-08-06 23:59:00");
```

Result Grid					Filter Rows:	Search	Edit:	Export/Import:
	actor_id	first_name	last_name	last_update				
	168	WILL	WILSON	2006-02-15 04:34:33				
	169	KENNETH	HOFFMAN	2006-02-15 04:34:33				
	170	MENA	HOPPER	2006-02-15 04:34:33				
	171	OLYMPIA	PFEIFFER	2006-02-15 04:34:33				
	172	GROUCHO	WILLIAMS	2006-02-15 04:34:33				
	173	ALAN	DREYFUSS	2006-02-15 04:34:33				
	174	MICHAEL	BENING	2006-02-15 04:34:33				
	175	WILLIAM	HACKMAN	2006-02-15 04:34:33				
	176	JON	CHASE	2006-02-15 04:34:33				
	177	GENE	MCKELLEN	2006-02-15 04:34:33				
	178	LISA	MONROE	2006-02-15 04:34:33				
	179	ED	GUINNESS	2006-02-15 04:34:33				
	180	JEFF	SILVERSTONE	2006-02-15 04:34:33				
	181	MATTHEW	CARREY	2006-02-15 04:34:33				
	182	DEBBIE	AKROYD	2006-02-15 04:34:33				
	183	RUSSELL	CLOSE	2006-02-15 04:34:33				
	184	HUMPHREY	GARLAND	2006-02-15 04:34:33				
	185	MICHAEL	BOLGER	2006-02-15 04:34:33				
	186	JULIA	ZELLWEGER	2006-02-15 04:34:33				
	187	RENEE	BALL	2006-02-15 04:34:33				
	188	ROCK	DUKAKIS	2006-02-15 04:34:33				
	189	CUBA	BIRCH	2006-02-15 04:34:33				
	190	AUDREY	BAILEY	2006-02-15 04:34:33				
	191	GREGORY	GOODING	2006-02-15 04:34:33				
	192	JOHN	SUVARI	2006-02-15 04:34:33				
	193	BURT	TEMPLE	2006-02-15 04:34:33				
	194	MERYL	ALLEN	2006-02-15 04:34:33				
	195	JAYNE	SILVERSTONE	2006-02-15 04:34:33				
	196	BELA	WALKEN	2006-02-15 04:34:33				
	197	REESE	WEST	2006-02-15 04:34:33				
	198	MARY	KEITEL	2006-02-15 04:34:33				
	199	JULIA	FAWCETT	2006-02-15 04:34:33				
	200	THORA	TEMPLE	2006-02-15 04:34:33				
	201	Mason	McClure	2022-08-06 23:59:00				
	<b>NULL</b>	<b>NULL</b>	<b>NULL</b>	<b>NULL</b>				

1b.

Once you have completed the insert, write a query to view all information for that specific actor.

					MySQL			
1	SELECT * FROM sakila.actor							
2	WHERE first_name = "Mason" AND last_name = "McClure";							

Result Grid					Filter Rows:	Search	Edit:	Export/Import:
	actor_id	first_name	last_name	last_update				
▶	201	Mason	McClure	2022-08-06 23:59:00				
	<b>NULL</b>	<b>NULL</b>	<b>NULL</b>	<b>NULL</b>				

2a.

Write a query to Update the actor that you just inserted. Give your new actor a `first_name` of Emmy and a `last_name` of Rock.

MySQL ▾

```
1 UPDATE sakila.actor
2 SET first_name = "Emmy", last_name = "Rock"
  WHERE first_name = "Mason" AND last_name = "McClure";
```

## 2b.

When you have completed that update, run another query to see your updated actor.

**Tip!** Make sure only to update your specific actor. Don't update all actors!

MySQL ▾

```
1 SELECT * FROM sakila.actor
2 WHERE first_name = "Emmy" AND last_name = "Rock";
```

Result Grid



Filter Rows:

Search

Edit:



Export/Import:



	actor_id	first_name	last_name	last_update
▶	201	Emmy	Rock	2022-08-28 16:42:32
	NULL	NULL	NULL	NULL

## 3.

Write a query that finds all staff that do not have a value specified for password.

MySQL ▾

```
1 /* password (sakila.staff) */
2
  SELECT * FROM sakila.staff
  WHERE first_name IS NOT NULL and password IS null;
```

Result Grid



Filter Rows:

Search

Edit:



Export/Import:



	staff_id	first_name	last_name	address_id	picture	email	store_id	active	username	password	last_update
▶	2	Jon	Stephens	4	NULL	Jon.Stephens@sakilastaff.com	2	1	Jon	NULL	2006-02-15 03:57:16
	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

## 4.

Write a query that finds all staff's information that has a value for `first_name` and `store_id`.

MySQL ▾

```
1 /* first_name, store_id (sakila.staff) */
2
3 SELECT * FROM sakila.staff
4 WHERE first_name IS NOT null and store_id IS NOT null;
```

Result Grid



Filter Rows:

Search

Edit:



Export/Import:



	staff_id	first_name	last_name	address_id	picture	email	store_id	active	username	password	last_update
▶	1	Mike	Hillyer	3	BLOB	Mike.Hillyer@sakilastaff.com	1	1	Mike	8cb2237d0679ca88db6464eac60da96345513964	2006-02-15 C
	2	Jon	Stephens	4	NULL	Jon.Stephens@sakilastaff.com	2	1	Jon	NULL	2006-02-15 C
	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

## 5.

**Tip!** Even if you get an error because of permissions, include screenshots of your code and it won't count against you.

```

1  /* address2, district (sakila.address) */
2
3  /* 1. Find address2 with null values */
4  SELECT * FROM sakila.address
   WHERE address2 IS null;

   /* 2. WHERE district = "Alberta", UPDATE to "Canada" */
   SELECT * FROM sakila.address
   WHERE district = "Alberta";

   /* 3. WHERE district = "QLD", UPDATE to "Australia" */
   SELECT * FROM sakila.address
   WHERE district = "QLD";

   /* Using UPDATE, SET the values
      NOTE: Had to "Disable Safe Mode" in Preferences
      SOURCE: https://qawithexperts.com/questions/522/error-code-1175---you-are-using-safe-update-mode */

   SELECT * FROM sakila.address
   WHERE address2 IS null;

   UPDATE sakila.address
   SET district = "Canada"
   WHERE address2 IS null AND district = "Alberta";

   UPDATE sakila.address
   SET district = "Australia"
   WHERE address2 IS null AND district = "QLD";

```

[illegible]