SQL-HandsOn3

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Using MySQL Shell

```
MySQL  localhost:3306 ssl  sakila  SQL > INSERT INTO sakila.actor VALUES (201, "WILL", "SMITH", "2020-10-22 12:00:00");
Query OK, 1 row affected (0.0097 sec)
MySQL  localhost:3306 ssl  sakila  SQL > SELECT * FROM sakila.actor WHERE actor_id = 201;
+----------+------------+-----------+---------------------+
| actor_id | first_name | last_name | last_update         |
+----------+------------+-----------+---------------------+
|      201 | WILL       | SMITH     | 2020-10-22 12:00:00 |
+----------+------------+-----------+---------------------+
1 row in set (0.0012 sec)
MySQL  localhost:3306 ssl  sakila  SQL > _
```
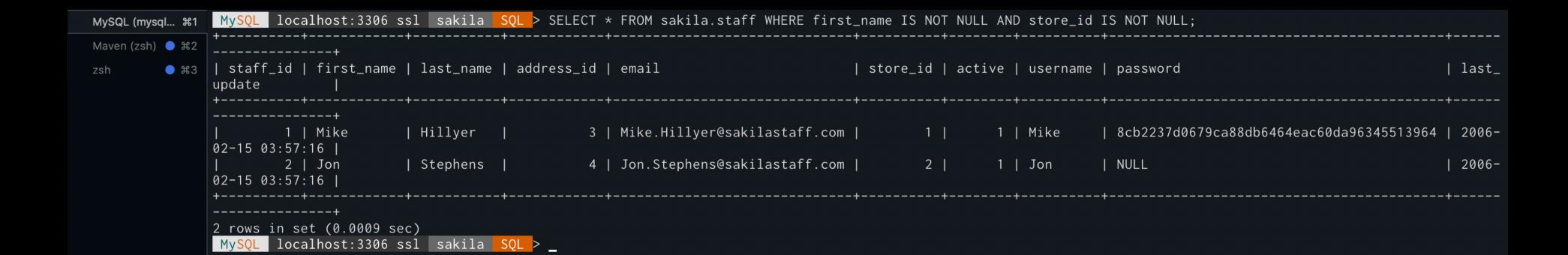
1. Write a query that Inserts a new actor into the database. Once you have completed the insert, write a query to view all information for that specific actor.

MySQL (mysqlsh)   ⌘1
Maven (zsh)   ⌘2
zsh   ⌘3

```
MySQL  localhost:3306 ssl  sakila  SQL > UPDATE sakila.actor SET first_name = "EMMY", last_name = "ROCK" WHERE actor_id = 201;
Query OK, 1 row affected (0.0062 sec)

Rows matched: 1  Changed: 1  Warnings: 0
MySQL  localhost:3306 ssl  sakila  SQL > SELECT * FROM sakila.actor WHERE actor_id = 201;
+----------+------------+-----------+---------------------+
| actor_id | first_name | last_name | last_update         |
+----------+------------+-----------+---------------------+
|      201 | EMMY       | ROCK      | 2020-10-22 22:39:15 |
+----------+------------+-----------+---------------------+
1 row in set (0.0012 sec)
MySQL  localhost:3306 ssl  sakila  SQL > _
```
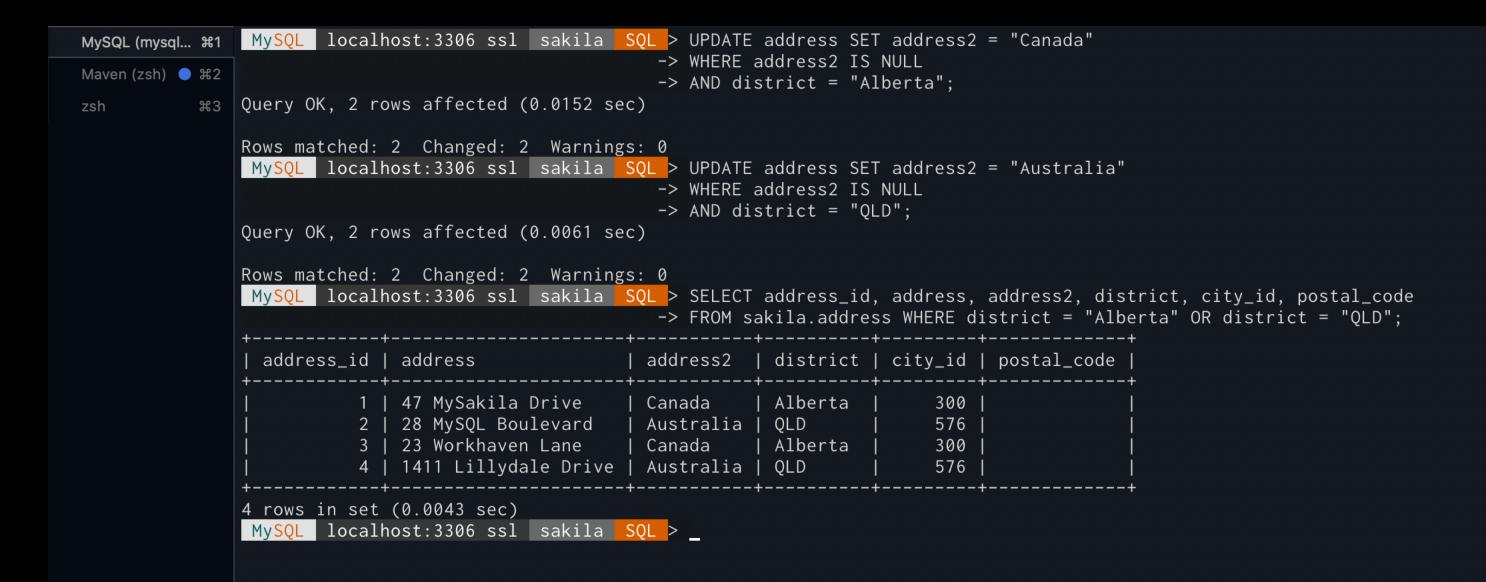
2. Write a query to Update the actor that you just inserted. Give your new actor a first_name of Emmy and a last_name of Rock. When you have completed that update, run another query to see your updated employee.

```
MySQL (mysql... ⌘1       MySQL  localhost:3306 ssl  sakila  SQL > SELECT * FROM sakila.staff WHERE password IS NULL;
Maven (zsh)  ● ⌘2       +----------+------------+-----------+------------+--------------------------+----------+--------+----------+----------+---------------------+
zsh          ● ⌘3       | staff_id | first_name | last_name | address_id | email                    | store_id | active | username | password | last_update         |
                        +----------+------------+-----------+------------+--------------------------+----------+--------+----------+----------+---------------------+
                        |        2 | Jon        | Stephens  |          4 | Jon.Stephens@sakilastaff.com |      2 |      1 | Jon      | NULL     | 2006-02-15 03:57:16 |
                        +----------+------------+-----------+------------+--------------------------+----------+--------+----------+----------+---------------------+
                        1 row in set (0.0024 sec)
                        MySQL  localhost:3306 ssl  sakila  SQL > _
```

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

```
MySQL  localhost:3306 ssl  sakila  SQL > SELECT * FROM sakila.staff WHERE first_name IS NOT NULL AND store_id IS NOT NULL;
+----------+------------+-----------+------------+----------------------------+----------+--------+----------+----------------------------------+------
---------------+
| staff_id | first_name | last_name | address_id | email                      | store_id | active | username | password                         | last_
update        |
+----------+------------+-----------+------------+----------------------------+----------+--------+----------+----------------------------------+------
---------------+
|        1 | Mike       | Hillyer   |          3 | Mike.Hillyer@sakilastaff.com |        1 |      1 | Mike     | 8cb2237d0679ca88db6464eac60da96345513964 | 2006-
02-15 03:57:16 |
|        2 | Jon        | Stephens  |          4 | Jon.Stephens@sakilastaff.com |        2 |      1 | Jon      | NULL                             | 2006-
02-15 03:57:16 |
+----------+------------+-----------+------------+----------------------------+----------+--------+----------+----------------------------------+------
---------------+
2 rows in set (0.0009 sec)
MySQL  localhost:3306 ssl  sakila  SQL > _
```

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

```
 MySQL   localhost:3306 ssl   sakila   SQL  > UPDATE address SET address2 = "Canada"
                                          -> WHERE address2 IS NULL
                                          -> AND district = "Alberta";
Query OK, 2 rows affected (0.0152 sec)

Rows matched: 2  Changed: 2  Warnings: 0
 MySQL   localhost:3306 ssl   sakila   SQL  > UPDATE address SET address2 = "Australia"
                                          -> WHERE address2 IS NULL
                                          -> AND district = "QLD";
Query OK, 2 rows affected (0.0061 sec)

Rows matched: 2  Changed: 2  Warnings: 0
 MySQL   localhost:3306 ssl   sakila   SQL  > SELECT address_id, address, address2, district, city_id, postal_code
                                          -> FROM sakila.address WHERE district = "Alberta" OR district = "QLD";
+------------+-------------------+-----------+----------+---------+-------------+
| address_id | address           | address2  | district | city_id | postal_code |
+------------+-------------------+-----------+----------+---------+-------------+
|          1 | 47 MySakila Drive | Canada    | Alberta  |     300 |             |
|          2 | 28 MySQL Boulevard | Australia | QLD      |     576 |             |
|          3 | 23 Workhaven Lane | Canada    | Alberta  |     300 |             |
|          4 | 1411 Lillydale Drive | Australia | QLD   |     576 |             |
+------------+-------------------+-----------+----------+---------+-------------+
4 rows in set (0.0043 sec)
 MySQL   localhost:3306 ssl   sakila   SQL  > _
```

5. Write a query that updates all people with a Null value in the address2 column. If the district is Alberta, put address2 as Canada, and if the district is QLD, put Australia.