



## 2.3 Labs | SQL Queries 5 + 6

📅 Completed Date	@Oct 28, 2020
☰ Description	Continuing the LAB fun.. :) it was actually fun indeed.
▼ Module	Unit 2
▼ Status	Complete
☰ Type	Lab

### Labs 5

#### Instructions

→ Drop column `picture` from `staff`.

```
alter table staff
drop column picture;

select * from staff
```

→ A new person is hired to help Jon. Her name is TAMMY SANDERS, and she is a customer. Update the database accordingly.

```
insert into staff
values (3, 'Tammy', 'Sanders', 79, 'TAMMY.SANDERS@sakilacustomer.org', 2, 1, 'Tammy',
NULL, '2006-02-15 04:57:20');
```

→ Add rental for movie "Academy Dinosaur" by Charlotte Hunter from Mike Hillyer at Store 1 today.

Query Favorites		Query History		Run Selection		
rental_id	rental_date	inventory_id	customer_id	return_date	staff_id	last_upd
16050	2020-10-28 16:28:11	378	554	2020-10-28 16:22:21	2	2020-10-28 16:22:21

```
insert into rental
values (16050, '2020-10-28 16:22:21', 378, 554, '2020-10-28 16:22:21', 2, '2020-10-28 16:22:21');
```

→ Delete non-active users, but first, create a *backup table* `deleted_users` to store `customer_id`, `email`, and the `date` the user was deleted.

## Labs 6

In this activity we are going to do some database maintenance. In the current database we only have information on movies for the year 2006. Now we have received the film catalog for 2020 as well. For this new data we will create another table and bulk insert all the data there. Code to create a new table has been provided below.

```
drop table if exists films_2020;
CREATE TABLE `films_2020` ( `film_id` smallint(5) unsigned NOT NULL AUTO_INCREMENT, `title` varchar(255) NOT NULL, `description` text, `release_year` year(4) DEFAULT NULL, `language_id` tinyint(3) unsigned NOT NULL, `original_language_id` tinyint(3) unsigned DEFAULT NULL, `rental_duration` int(6), `rental_rate` decimal(4,2), `length` smallint(5) unsigned DEFAULT NULL, `replacement_cost` decimal(5,2) DEFAULT NULL, `rating` enum('G','PG','PG-13','R','NC-17') DEFAULT NULL, PRIMARY KEY (`film_id`), CONSTRAINT FOREIGN KEY (`original_language_id`) REFERENCES `language` (`language_id`) ON DELETE RESTRICT ON UPDATE CASCADE
) ENGINE=InnoDB AUTO_INCREMENT=1003 DEFAULT CHARSET=utf8;
```

We have just one item for each film, and all will be placed in the new table. For 2020, the rental duration will be 3 days, with an offer price of `2.99€` and a replacement cost of `8.99€` (these are all fixed values for all movies for this year). The catalog is in a CSV file named **films\_2020.csv** that can be found at `files_for_lab` folder.

## Instructions

- Add the new films to the database.

```
load data local infile '/Users/riyavasileva/Ironhack/films_2020.csv'  
into table films_2020  
fields terminated by ',';
```

- Update information on `rental_duration`, `rental_rate`, and `replacement_cost`.

## Hint

- You might have to use the following commands to set bulk import option to `ON`:

show variables like 'local\_infile';

set global local\_infile = 1;

- If bulk import gives an unexpected error, you can also use the `data_import_wizard` to insert data into the new table.