Working with the Sakila MySQL database

In this exercise, we will be working with the Sakila MySQL database. It can be downloaded by following the instructions at http://dev.mysql.com/doc/sakila/en/sakila-installation.html

Download the files and follow the instructions completely.

Examine the structure of the tables by looking at MySQL workbench or the included PDF file.

**Run the following queries:**

1. How many distinct countries are there?

2. Find out the top 5 countries with most number of clients.

3. What are the names of all the languages in the database (sorted alphabetically)?

4. Return the full names (first and last) of actors with “SON” in their last name, ordered by their first name.
   Hint: To search for a text in a field use the filter:
   WHERE first_name LIKE ‘%son%’;
   This will search for “SON” anywhere in the field.

5. Create a list of films and their corresponding categories.

6. Create a list of categories and the number of films for each category.

7. Create a list of actors and the number of movies by each actor.

8. List the film id and titles of those films that are not in inventory.

9. Find a list of customers who have not rented a movie yet.

10. Find the number of English films having category of ‘Documentary’.
**Stored Procedures**

1. Create a stored procedure that takes a country’s name as the input parameter and outputs the details of customers in it (customer_id, first_name, last_name).

2. Create a stored procedure that takes a customer_id and returns that customer’s rental and payment history.
   **It’s up to you how you return the data, e.g.: display on screen, pass as output, create a temp table**

3. Look at the triggers on the film table. Understand each one of them and summarize in a couple of lines what they do.

4. Write a stored procedure that takes in a film_id and outputs useful details – such as category, actors, film_text, etc.

5. Create a stored procedure that creates a list of customers that have a rental_id, but no payment_id. That is, those customers who have not paid.

**Submit your SQL queries and other responses in a single file named as your FirstName_LastName**