DS108-04-11 - Lesson 4 Hands-On

For your Lesson 4 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.

Table of contents

style: bullet

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-HandsOn4. 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!

Submitting: Be sure to zip and submit your SQL-HandsOn4 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.

Part 1

Run the following queries:

1a. Create a view named "initialCustomers"

Create a view named "initialCustomers" that shows the first name, last name, and email address of customers that have an id of less than 100.

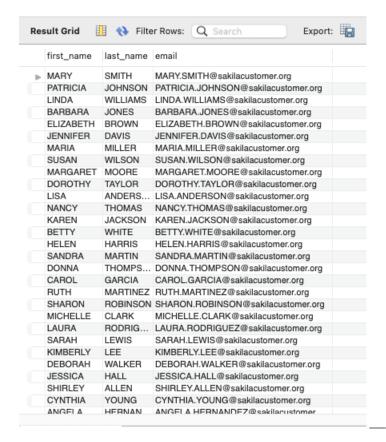
create view initialCustomers as
SELECT first_name, last_name, email
FROM sakila.customer
WHERE customer_id < 100</pre>



1b. Select and view "initialCustomers"

Once that is complete, select and view your newly created view.

SELECT * FROM initialCustomers



Part 2

Complete the following:

2a. Create a table named "ProductList".

Include the following columns:

- ProductId
- ProductName
- Price
- DateAdded
- EmployeeSupportId

Include the following requirements:

- 1. Every product should have an automatically generated id number that should be unique for each product.
- 2. Give each column a data type that would apply
- 3. Give the DateAdded column a default value for the current local time.
- 4. All columns CANNOT be null.

17 18:50:22 S 99 row(s) returned

18 19:01:24 C 0 row(s) affected

```
/*
ProductID INTEGER PRIMARY KEY AUTO INCREMENT
ProductName VARCHAR (50) NOT NULL
Price NUMERIC(10,2) NOT NULL
DateAdded DATETIME DEFAULT CURRENT_TIMESTAMP
EmployeeSupportId INTEGER UNIQUE
*/
CREATE TABLE ProductList (
    ProductID INTEGER PRIMARY KEY AUTO_INCREMENT,
    ProductName VARCHAR (50) NOT NULL,
    Price NUMERIC(10,2) NOT NULL,
    DateAdded DATETIME DEFAULT CURRENT_TIMESTAMP,
    EmployeeSupportId INTEGER UNIQUE
)
Action Output
             # Response
                                                         Duration / Fetch Time
```

0.0011 sec / 0.00004...

0.015 sec

2b. Insert one product into the table following the given guidelines when the table was created.

When inserting the data, don't include the ${\tt ProductId}$ or the ${\tt DateAdded}.$

INSERT INTO ProductList (ProductName, Price, EmployeeSupportId)
VALUES ("The Amazing Wiz-bang", 10000.00, 122285)



2c. Run a query to see the single product in your table

SELECT * FROM sakila.ProductList;

