Lab: Explore your dataset using SQL queries using Datasette

Lab Overview:

Now, let us execute SQL queries on **Datasette** on the **exercise03_car_sales_data** table.

Estimated time needed: 15 minutes

Dataset used in this exercise:

The dataset used in this exercise comes from the following source: https://www.kaggle.com/antfarol/car-sale-advertisements under a CC0: Public Domain license.

> We are using a modified subset of that dataset for this lab. To follow the lab instructions successfully, please use the dataset provided with this exercise rather than the dataset from the original source.

Download the dataset

https://cf-courses-data.s3.us.cloud-object-storage.appdomain.cloud/IBM-DB0100EN-SkillsNetwork/labs/exercise03_car_sales_data.csv is the csv file used in this lab.

Objectives

After completing this lab, you will be able to:

- Create and Load data into a table from a CSV file.

- Execute basic SQL queries on the data you loaded into your database.

Exercise 1: Create a table by loading a CSV file using Datasette

In this exercise, you will learn how to load a CSV file and create a table using the Datasette tool.

1. Once the Datasette tool launches using the Open tool option, click on the **Add DataSets** option at the right-end corner.

2. You will be redirected to a page where you need to enter the full URL of the CSV dataset in the text box.

   - Right-click on the link

exercise03_car_sales_data.csv and copy the link address.

- Enter the copied URL in the text box and click on the create button.

3. The exercise03_car_sales_data table will be created with the data loaded from the CSV file.

   A **select** query related to the table will appear on the **text area** section of the following webpage.

   Click on the **Submit Query** button to view the results.

Exercise 2: Execute basic SQL queries on the data you loaded into your database.

1. Copy paste the below given query in the **textarea** section of the webpage and click on the **Submit Query** button to view the results.

   ```
   1. 1
   1. SELECT COUNT(*) FROM exercise03_car_sales_data;
   ```
   Copied!

Once the query executes successfully, it displays the counts.

```
1. 1
1. ![image](https://cf-courses-data.s3.us.cloud-object-storage.appdomain.cloud/IBM-DB0100EN-SkillsNetwork/Datasetteoptionallabs/Week3/images/Data_i
```
Copied!

2. Execute the following query to check the maximum price.

   ```
   1. 1
   1. select max(price) as max_price from exercise03_car_sales_data
   ```
   Copied!

3. Execute the following query to display the distinct models.

   ```
   1. 1
   1. select distinct(model) from exercise03_car_sales_data;
   ```
   Copied!

Congratulations! You have successfully executed SQL queries on your loaded data

Author(s)

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Changelog

Date	Version	Changed by	Change Description
2022-08-23	1.0	Lakshmi Holla	Converted initial version

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