SQL Lab 1

Here you will connect to a database that lives in the cloud. Once you connect, you will use MySQL to write sql queries to answer questions.

For each question include a file with the sql statement separated by a “;”

Name your file

*Lastname.firstname.SQL.Lab.1.sql*

Use your GitHub repo to post your SQL.

You can just give me your SQL. I can run it to see if it works.

Connecting to MySQL Instance in the cloud (in this case, Digital Ocean)

1. Open up your MySQL SQL Workbench
2. You can then connect to your local MySQL Database. (you need to ensure the service is running)
3. To log in you need to remember the ROOT password you used to install MySQL

You should be in!

You will do three things:

1. You will build the Northwind Database
2. You will load the data.
3. Query the data.

**Build the Database:**

1. Grab the SQL DDL from my github repo. It is here 🡪 <https://github.com/jasonwnc/ds3002/blob/gh-pages/labs/northwind.sql> and save it to you machine.
2. File-Open-SQL Script and open the northwind.sql file
3. Execute the file by using the lighting bolt

**Load the Data**

1. Grab the SQL Load SQL from Github. It is here 🡪 <https://github.com/dalers/mywind/blob/master/northwind-data.sql>
2. File-Open-SQL Script and over the northwind-data.sql
3. Execute that…it will load the data. You are now ready to write your SQL.

Product Table Queries:

1. Write a query to get Product name and quantity/unit.

**2.** Write a query to get current Product list (Product ID and name). 

**3.** Write a query to get discontinued Product list (Product ID and name).

**4.** Write a query to get most expense and least expensive Product list (name and unit price).

**5.** Write a query to get Product list (id, name, unit price) where current products cost less than $20.

**6.** Write a query to get Product list (id, name, unit price) where products cost between $15 and $25.

**7.** Write a query to get Product list (name, unit price) of above average price.

**8.** Write a query to get Product list (name, unit price) of ten most expensive products.

**9.** Write a query to count current and discontinued products.

**10.** Write a query to get Product list (name, units on order, units in stock) of stock is less than the quantity on order.