
LAB FOUR

SIMPLE QUERIES

CS1103, Winter 2021

LEARNING OUTCOMES

At the conclusion of the lab, students should be able to

- Read ER Diagrams
- Build SQL SELECT statements involving joining tables and WHERE clauses with simple expressions.

BACKGROUND

MySQL Workbench provides a console to remotely connect to our MySQL server (cs1103.cs.unb.ca). You'll recall that you received your credentials during our first lab. To use the remote console, create a MySQL Connection. You can of course stick with the command line access from Lab 1.

EXERCISE

Using the Ch07_SaleCo database (ER Diagram attached), use SQL queries to answer the following questions. For each question, show the query and some evidence (screen shot, copy of the output) of your query's success.

1. For all customers with non-zero balances in the 615 area code, list the full customer name.
2. For products with fewer than 15 items in stock (P_QOH), list the product description and price. Relabel the report columns with more understandable headings.
3. Assuming that the discount column in the product table is available to preferred customers, report the discounted price of products for all products with a before discount price of more than \$100.
4. Customer Anne Farriss has called, asking for a listing of her invoice numbers and dates.
5. Corporate Management would like a list of all products sold by companies located in Florida.
6. Customer Anne Farriss called back and would like a complete account. This listing will need her name, phone number and balance, and invoice information

including line items in the invoices and the line items' product description and price.

SUBMISSION

Before 4:30pm on the day after this lab, students should submit online to the lms

- A compressed (zip or tar) file containing a text file of the SQL queries as well as a word-processor report as a pdf file containing the requested information (SQL Queries and results).

