

CIS4331 Spring 2019 Lab 4

1-Table SELECT, N-Table SELECT

1. Objectives

This lab will help you to learn

- How to use the tool Oracle SQL Developer
- How to retrieve data from a single table
- How to retrieve data from two or more tables

2. Tasks to Complete

Complete the questions about 1-table SELECT and N-Table SELECT queries on the **MGS Database** included in the later part of this document. These queries use the tables in **user mgs**. This lab is **required to submit by 5pm, Tuesday, Feb. 12.**

NOTE: the links to online Oracle SQL Language references are available in the **Modules\Resources folder on Canvas.**

NOTE: The scripts you need in this practice can be downloaded from the item *“Murach Book Example Code”* in the **Modules\Resources folder on Canvas.**

3. Submission Requirements

Please place your SQL statements in a text file with the extension .sql. Mark each query based on the question number. Write your FULL name on the first page.

Then submit this SQL script file by attaching it to the link **Lab 4** in folder **Assignments\Labs** on Canvas.

Remember that only the last task is **required to submit by 5pm, Tuesday, Feb. 12.**

Single-Table SELECT queries on MGS Database

1. Print the IDs, street addresses (including apartment number and suite number), cities, states, and phone numbers of customers whose street addresses contain a word ending in "wood". Sort the query result in the increasing order of state, then city.
HINT: need to use a pattern.
2. Print the first names, last names, and email addresses of customers who have r as the third letter in their first names. Sort the result in the increasing order of first name.
HINT: need to use a pattern.
3. Print the ids, prices before the discount, and discount amounts of products that were ordered. If a product was ordered more than once, print its information only once. Sort the result in the decreasing order of product prices.
HINT: need to sort the query result by date values.

N-Table SELECT queries on MGS Database

4. Print the names, listing prices, and category names of all products in the increasing order of category name and product name.
5. Print the first name, last name, and all the addresses of the customer whose email address is heatheresway@mac.com. Print all components of an address: street address (including apartment number and suite number), city, state, and zipcode.
NOTE: Each address can be for shipping only, billing only, or for both shipping and billing.
6. Print the first names, last names, billing addresses of all customers in the increasing order of state first, then city. Print all components of an address: street address (including apartment number and suite number), city, state, and zipcode.
7. Print all customers' first names, last names, the dates when they placed their orders, and the dates when their orders were shipped. Print the heading for the dates as SHIP_DATE, ORDER_DATE. Print all dates in the following format:
03/31/2012
8. Print customers' email addresses, the dates when their orders were shipped, the product id and the actual price (after the discount) of each product they ordered. Print the heading for the actual price as ACTURAL_PRICE.