**Lab 03 – Week 4 (Sub-Queries)**

This week’s lab continues using the SELECT command and learning the interfaces for both SQL Developer and introduces the use of single-line functions.

Submission

***Your submission will be a single text-based SQL file with appropriate header and commenting. Please ensure your file runs when the entire file is executed in SQL Developer.***

Create a new Worksheet in SQL Developer. Save the file as L03\_ID#\_LASTNAME.sql

Your submission needs to be commented and include the question, the solutions.

Tasks

1. Write a SQL query to display the last name and hire date of all employees who were hired before the employee with ID 107 got hired. Sort the result by the hire date.
2. Write a SQL query to display *customer name* and *credit* limit for customers with lowest credit limit. Sort the result by customer name.
3. Write a SQL query to display the product ID, product name, and list price of the highest paid product(s) in each category. Sort by category ID.
4. Write a SQL query to display the category name of the most expensive (highest list price) product(s).
5. Write a SQL query to display product name and list price for products in category 1 which have the list price less than the lowest list price in ANY category. Sort the output by top list prices first and then by the product name.
6. Display product ID, product name, and category ID for products of the category(s) that the lowest price product belongs to.

Example Submission

-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
-- Name: Your Name  
-- ID: #########  
-- Date: The current date  
-- Purpose: Lab 3 DBS311  
-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
  
-- Question 1 – write a brief note about what the question is asking  
-- Q1 SOLUTION --  
  
SELECT \* FROM TABLE;  
  
-- Question 2 –

-- Q2 Solution –

SELECT \* FROM TABLE;