**Lab 02 – Week 3 (Multi-row Functions)**

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 L02\_ID#\_LASTNAME.sql

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

Tasks

-- **Q1:** For each job title display the number of employees.

-- **Q2:** Display the Highest, Lowest and Average customer credit limits. Name these results High, Low and Avg. Add a column that shows the difference between the highest and lowest credit limits.

* + Use the *round* function to display two digits after the decimal point.



**-- Q3:** Display the order id and the total order amount for orders with the total amount over $1000,000.

**-- Q4:** Display the warehouse id, warehouse name, and the total number of products for each warehouse.

-- **Q5:** For each customer display the number of orders issued by the customer. If the customer does not have any orders, the result show display 0.

-- **Q6:** Write a SQL query to show the total and the average sale amount for each category.

Example Submission

-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
-- Name: Your Name  
-- ID: #########  
-- Date: The current date  
-- Purpose: Lab 2 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;