# Lab 1 – Week 1 (Getting Started)

## DUE: Friday, Week 1, midnight

This week’s lab gets you started, connected, and uses your first commands while learning the interfaces for both SQL Developer and SQL\*PLUS.

## Getting Started

***Your submission will be a single text-based SQL file with the solutions provided.***

Create a new Worksheet in SQL Developer. Save the file as L1\_ID\_LASTNAME.sql

Your submission needs to be commented and include the question, the solutions, and the results. Please note the results should be commented lines (so the file still runs as submitted)

Tasks

Hopefully, you downloaded demobld11 file and ran the script that will build the tables as outlined in the Week 0 document.

1. Start by entering in the SQL Developer worksheet:
   1. SELECT \* FROM EMPLOYEES;
   2. SELECT \* FROM DEPARTMENTS;
   3. SELECT \* FROM JOB\_HISTORY;
   4. Which one of these tables appeared to be the widest? or longest? (Answer in commented text)
2. Using SQL Plus – enter the same three lines (one at a time) – Provide answers to questions below in commented lines in SQL file.
   1. at the prompt enter the command  
      SET pagesize 200
   2. Choosing the widest table from question 1, rerun the SELECT.   
      Did it have an effect to improve the look of the display?
   3. Do the same for the longest table.  
      You should have seen that there were not headings every 10 lines as it increased the page length to 200.
   4. You should try to find a SET command that will increase the length of each line to improve readability and remove the word wrap effect.   
      *HINT: It was in the demobld file.*
3. If the following SELECT statement does NOT execute successfully, how would you fix it?

SELECT last\_name “LName”, job\_id “Job Title”,   
 Hire Date “Job Start”  
 FROM employees;

1. There are THREE coding errors in this statement. Can you identify them?

SELECT employee\_id, last name, commission\_pct Emp Comm,  
FROM employees;

1. What command would show the structure of the LOCATIONS table?
2. Create a query to display the output shown below.

City# City Province with Country Code   
---------------------------------------------------------------------------------  
 1000 Roma IN THE IT   
 1100 Venice IN THE IT

## Example Submission

-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
-- Name: Your Name  
-- ID: #########  
-- Date: The current date  
-- Purpose: Lab 1 DBS301  
-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
  
-- Question 1 – write a brief note about what the question is asking  
-- Q1 SOLUTION --  
  
SELECT \* FROM TABLE;  
  
-- Q1 RESULTS  
-- Col1\_Name Col2\_Name Col3\_Name  
--------------------------------------  
-- datar1c1 datar1c2 datar1c3  
-- datar2c1 datar2c2 datar2c3