Instructions: you must have completed lab 0 in your account before working on this lab. Please upload a single answer file in myseneca -> Assignments section.
Sql developer users: You may capture screenshot for each worksheet (for each SQL statement and corresponding output) and compile them in a single word/pdf file to upload.
Sql plus users: Use a single spool file to capture your sql commands and output. You must run the sql commands in sequence to the questions below.

Please remember to upload the correct file before submitting - you only get one chance to submit. The Lab 1 submission link will not be available after deadline in the Assignments section.

**Allow enough time to upload or deal with unexpected issues. Do not wait for the last moment** since there are transmission time/queuing delay/processing time etc. from your machine to the blackboard server.

**Late penalty is 100%.**

## Questions:

1. The following SELECT statement executes successfully:
SELECT last_name "LName", job_id "Job Title",
     Hire Date "Job Start"
FROM employees;
True / False

2. There are coding errors in this statement. Can you identify them?
SELECT employee_id, last name, commission_pct Emp Comm,
FROM employees;

3. Show the structure of the LOCATIONS table. Then create a query to display the output shown below. Be careful, you need to get the exact output.

| City# | City | Province with Country Code |
|-------|------|----------------------------|
| 1000 | Roma | IN THE IT |
| 1100 | Venice | IN THE IT |
| 1200 | Tokyo | Tokyo Prefecture IN THE JP |
| 1300 | Hiroshima | IN THE JP |
| 1400 | Southlake | Texas IN THE US |
| 1500 | South San Francisco | California IN THE US |

4.      Create a query to display unique department codes from the EMPLOYEES table.

5.      Display the employee_id, last name and salary of employees earning in the range of $8000 to $15,000. Sort the output by top salaries first and then by last name.

6.     Modify previous query (#5) so that additional condition is to display only if they work as Programmers or Sales Representatives. Same sorting as before.

7.     Modify previous query (#5) so that displays same job_id but for people who earn outside the given salary range i.e., >15000 and <8000. Same sorting as before.

8.     Display the last name, job_id and salary of employees hired before 1998  List the most recently hired employees first.

9.     Modify previous query (#8) so that displays only employees earning more than $10,000. List the output by job_id alphabetically and then by highest paid employees.

10.    Display the job_ids and full names of employees whose first name contains an 'e' or 'E' anywhere.