Lab 3 Deadline: June 1, 2019 by 11:pm (worth: 0.5%)

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 3 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%.

1. Display the difference between the Average pay and Lowest pay in the company among employees. Name this result *Real Amount*.

2. Display the department number and Highest, Lowest and Average pay per each department. Name these results *High, Low* and *Avg*.
   Sort the output so that department with highest average salary are shown first.

3. Display how many people work the same job in the same department. Name these results *Dept#, Job* and *HowMany*. Include only jobs that involve more than one person.
   Sort the output so that jobs with the most people involved are shown first.

4. For each job id display the job id and total amount paid each month for this type of the job. Exclude job_id *AD_PRES* and *AD_VP* and also include only jobs that require more than $15,000 in total.
   Sort the output so that top paid jobs are shown first.

5. For each manager number display how many persons he / she supervises. Exclude managers with numbers 100, 101 and 102 and also include only those managers that supervise more than 2 persons.
   Sort the output so that manager numbers with the most supervised persons are shown first.

6. For each department show the latest and earliest hire date, but exclude departments 10 and 20 and also exclude those departments where the last person was hired in this century. Sort the output so that most recent latest hire dates are shown first.