DBMS-1002  
Assignment 1

# Instructions

### **Before you begin this assignment you must download PostgreSQL and run the setup script. Please refer to the applications and setup area in Learn.**

### For each question below: read carefully what is being asked and create an SQL Query which answers the question. Note that it is sometimes possible to misinterpret the meaning of a question. When in doubt, please clarify with your instructor before handing in your assignment.

# Grading

Your instructor will review your assignment with you for completeness and comprehension. This review will be done on an individual basis and you will be asked questions.

| Q | Level 1 | Expected Result |
| --- | --- | --- |
| 1 | Display the country whose Country ID is AR and Region ID is 2. Columns to show: Country name. | 1 record |
| 2 | Display all countries that contain at least 2 words in the country name. Columns to show: Country name. | 2 records |
| 3 | Display all locations whose Country ID is either: US, CA, or MX. Columns to show: City, State/Province, Country ID Order the result by Country ID in alphabetical order. | 7 records |
| 4 | Display all jobs with a Job ID that matches this format: starts with AD followed by EXACTLY 5 characters. Columns to show: Job ID. | 2 records |
| 5 | Display all departments sorted by their location in descending order. When multiple departments are located at the same location ID, show their names in alphabetical order. Columns to show: Location ID and Department Name. | 27 records |
| Q | Level 2 | Expected Result |
| 6 | Display all Employees who were hired in 2008. Columns to show: Employee ID, First and Last name, and the hire date. Order the result by oldest hire date to newest. | 11 records |
| 7 | Display all Employees (if any) whose last name starts with the first letter of your last name. Columns to show: Employee ID, First and Last name. The results should be displayed by first name in alphabetical ordering. | Results unique to each student |
| 8 | Display all Departments without managers whose name contains the word “Sales”. Columns to show: Department Name. The results should be displayed by Department name in reverse alphabetical order. | 2 records |

| Q | Level 3 | Expected Result |
| --- | --- | --- |
| 9 | Show the job history of all people whose start date is before the year 2000 or those people with a job id of either MK\_REP or SA\_REP(regardless of if they started before 2000).Columns to show: Employee ID, Start Date and Job ID. The results should be displayed by the oldest start date first. | 4 records |
| 10 | Show all jobs where the max salary remains under 10,000 even with a 25% increase. Columns to show: Job Title, Original Max Salary, New Max Salary after a 25% increase. The results should be displayed based on the lowest new max salary first. | 4 records |

# Assessment

You will be assessed based on the rubric attached to your DropBox.

# Hand-in

In this assignment you will create a new .SQL file using PostgreSQL. Please rename your file to follow the format: ***assignment#\_firstname\_lastname.sql***

For Example: ***assignment1\_scott\_wachal.sql***

Use the appropriate LEARN DropBox to upload your file. If you need to upload a newer version, you may do so before the deadline, but only the newest copy will be graded by your instructor.

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