

## CP363: Assignment 2 – Winter 2024

**Due on March 1, 2024 (Before 11:55 PM)**

### General Instructions:

This is an individual assignment, and the solutions should be uploaded to MyLS (Dropbox). The assignment should be submitted in .sql script.

### Important Notes:

- You also confirm that you are aware of course policies for submitted work.
- Multiple attempts will be allowed, but only your last submission before the deadline will be graded. We reserve the right to take off points for not following directions.
- **Late policy:** If you have a compelling reason for not being able to submit the assignment on time and would like to make a special arrangement, you must send me an email at least a week before the due date (an individual basis will handle any genuine emergencies).

**Questions (Points 20):** This assignment will focus on basic SQL queries. The dataset on which you will execute the queries has been provided as SQL scripts. You can run these scripts to access the data and test the query output.

1. Display the information of those employees who have salaries between 40000 and 50000 and are employees of department 10002.
2. Write an SQL query to find those employees who joined in the 90s. Return complete information about the employees.
3. For each department, display the number of managers hired between 1981 and 1989.
4. Write an SQL query to find those employees whose names end with 'S' and are six characters long.
5. Write an SQL query to find those employees whose salaries are in the range of minimum and maximum.

6. Add a column to the employees' table to include the department ID. Also, ensure that it must contain a value and should begin with 'd'. Update the values in the table as well.
7. Display the name of the employee and his/her department belonging to a department with less than 3 employees.
8. Write an SQL query to display the first name, last name, no, and department name for all the employees.
9. Retrieve the details of all employees in Sales and Development (employee number, last name, first name, and department name).
10. Find the departments with more female employees than male.
11. Print the age difference between the oldest and the youngest employee in the Production department. **(Bonus query 2 marks)**

**##### Best of luck for the assignment#####**