## **INFSCI 2710 Database Management, Fall 2024**

Homework 2: SQL

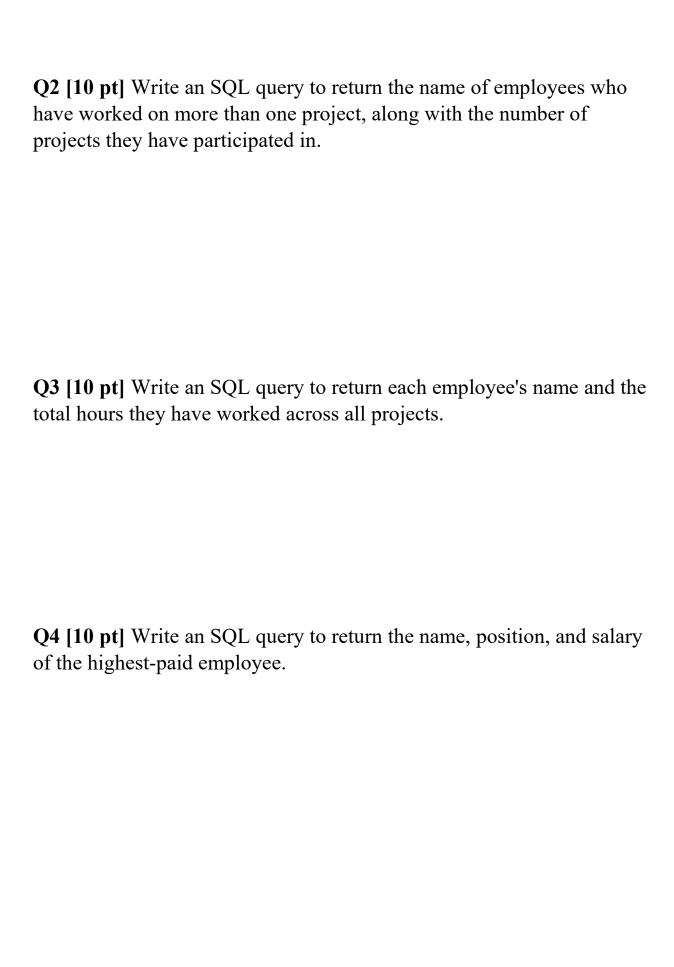
Due Date: 10/7, at the end of the day. Please submit a pdf to the Canvas assignment.

Note: No actual data provided in this assignment, you can assume that enough records have been inserted to the database, you just need to provide MYSQL query statements

Consider the following relational database, where feature with in bold text is the primary key for each table

- Employees(<u>employee\_id</u>, employee\_name, position, salary,department\_id)
- Departments (<u>department\_id</u>, department\_name)
- Projects(<u>project\_id</u>, project\_name, start\_date, end\_date)
- Employee project(employee id,project id, hours worked)

Q1 [10 pt] Write an SQL query to return the department name and the average salary of the employees in each department. Order the result by average salary in descending order.



**Q5** [10 pt] Write an SQL query to return the name of all employees and the names of projects they are involved in. If an employee is not involved in any projects, display NULL for the project name.

Consider the following Travel Booking System,

- Customers(<u>customer id</u>, customer name, email, join date)
- Hotels(<u>hotel\_id</u>, hotel\_name,location, star\_rating)
- Bookings(booking id, customer id, hotel id, check in, check out, total cost)
- Reviews(<u>review id</u>, <u>customer id</u>, <u>hotel id</u>, rating, review\_text)

**Q6** [10 pt] Write an SQL query to return all customers who have never left a review, showing their name and email.

