COMPSCI 410/510

Exercise – 5

Ungraded

Note: The salary specified in the employee table is for entire year.

Create the company database from create.sql file and write the queries for the following:

1. How many male and female employees are there at the company?
2. Which office location has the highest number of employees and which office location has the lowest number of employees?
3. How many males/females work at each location? Order locations descending by number of total employees.
4. What is the average employee salary for males and females at each office location? Round off to nearest full dollar amount.
5. For each office location how many employees have dependents that are same sex partners?
6. Which department has highest difference in average employee salary across locations?
7. Calculate the average hourly rate for each of the projects that have at least one of the employees working on it? Assume 2080 working hours per year.
8. An employee is eligible for benefits if he/she works for more than 20 hours a week. What is the number of employees that are eligible/ineligible for benefits?
9. Retrieve the names of employees who have a lower salary than any one of his/her supervisees
10. Retrieve the names of employees who work on all the projects that his/her supervisor works on
11. For each department, retrieve the department name and its manager’s name if the department controls at least three project and the manager has at least four dependent
12. Retrieve the name of each department if the total salary of the department is higher than $100,000/month
13. For each employee and project, retrieve the employee name and project name if the employee works on the project more than 20 hours