Lab 3 - SQL

1- Display the department names and the names of the city they are in.

2- Display the full data about all employees along with the name of the managers (supervisors ) they report to.

3- Display the department ID, department name, manager ID, and the name of the manager.

4- Display (Using Union Function)

a. The last name and the job id of the employees works in dept 30

b. The last name and the job id of the employees works in dept 60

5- Display the ID, name, and city of the departments in Roma or Seattle city.

6- Display the full data of the departments with names that start with the letter "a".

7- Display all the employees in department 30 whose salary is between 7000 to 15000.

8- Find the names of the employees who directly report to Steven King.

9- For each department, list the department name and the total salary (for all employees) spent on that department.

10- Retrieve the names of all employees and the names of the departments they are working in, sorted by the department name.

11- Display the data of the department which has the smallest employee ID over all employees' ID.

12- For each department, retrieve the department name and the maximum, minimum, and average salary of its employees.

13- For each department, if its average salary is less than the average salary of all employees, display its number, name, and number of its employees.

14- Retrieve a list of employees and the departments they are working in, ordered by department and within each department, ordered alphabetically by last name, first name.