

## 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.