**Database Design – Quiz 3**

**Due date:** March 12, 11:59pm

Specify following queries in SQL. Use COMPANY database.

**1.** Create following views.

**a.** A view that has the department name, manager name, and address for every department.

**b.** A view that has the employee name, supervisor name, and employee salary for each employee who works in the ‘Research’ department.

**2.** For each employee, list his/her ssn, last name and the number of dependents he/she has, even if it is zero (Output: Ssn, LName, Num Deps). Output should be ordered alphabetically, by last name of employee.

**3.** Find the last names of employees earning above average salary in their respective departments. (Output: Lname, DNo, Salary).

**4.** List the last names of employees who do not work on any project controlled by their respective departments (Output: LName).

**5.** List the female employees, each of whom works on 2 or more projects. (Output: SSN, Number-of-projects)

Each question is 20 points.

*If you are not using Oracle Cloud account to test your sql queries, use following schema for COMPANY database.*

Employee (FName, LName, SSN, BDate, Address, Gender, Salary, SuperSSN, DNo)

Department (DName, DNo, MgrSSN, MgrStartDate)

Project (PName, PNo, PLocation, DNo)

Works\_On (SSN, PNo, Hours)

Dept\_Location (Dno, DLocation)

Dependent (Essn, Name, Gender, Relationship)