

Lab Assignment 3

Querying a Relational Database COMPANY database

For Lab3, you use the Company database you created from Lab2.

Make sure that all your tables have the exactly same data as given in the Lab 2 (Note that the data in Fig 3.6 in the Textbook is slightly different from the one in the Lab2)

1. Add yourself into the database and Retrieve the information:

Add yourself and the related info into Employee, Dependent, and Works_On.
Retrieve all the entries you just added with only 1 Select statement.

2. Write SQL Select statements to retrieve data in the followings:

Q1: Retrieve the name and address of all the female managers.

Q2: Make a list of all project numbers for projects that involve an employee whose last name is 'Smith', either as a worker or as a manager of the department that controls the project.

Q3: Retrieve the name and address and his/her department name of the highest ranked employee who does not report to anybody in the company.

Q4:

For each department, list all the employees who are working in the department with the employee's first and last name and first and last name of his or her immediate supervisor. List the result in the order of each department number and department name.

Extra points: Include all the employees who do not have any supervisor as well in the list.