

Homework #03

- COMPANY 스키마에 대해서 다음의 질의를 SQL, Relational Algebra, Tuple Relational Calculus 로 작성하시오.

Query 0. Retrieve the birth date and address of the employee(s) whose name is 'John B.smith.'

Query 1. Retrieve the name and address of all employees who work for the 'Research'department.

Query 2. For every project located in 'Stafford', list the project number, the controlling department number, and the department manager's last name, address, and birth date.

Query 3. Find the names of employees who work on all the projects controlled by department number 5.

Query 3'. List the name of each employee who works on some project controlled by department number 5.

Query 4. 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.

Query 6. Retrieve the names of employees who have no dependents.

Query 7. List the names of managers who have at least one dependent.

Query 8. For each employee, retrieve the employees' first and last name and the first and last name of his or her immediate supervisor.