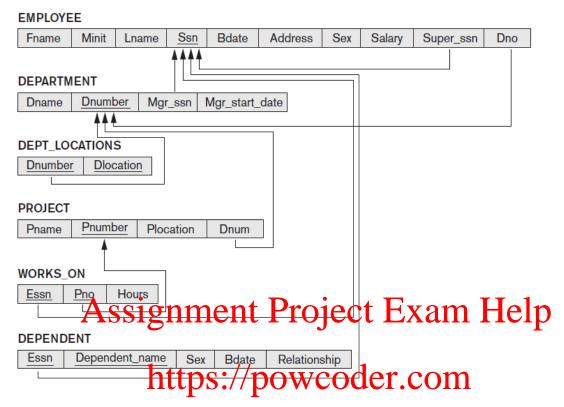
CS5481 Data Engineering Tutorial 2

Using relational operators, specify the following queries on the COMPANY relational database schema shown below.



- 1. Retrieve the name (Fname, Lname) and address (Address) of all employees who work for the 'Research' department dd WeChat powcoder
- 2. List names (Fname, Lname) of all managers and the name of the departments (Dname) they manage, if any.
- 3. For every project located in 'Stafford', list the project number (Pnumber), the controlling department number (Dnum), and the department manager's last name (Lname), address (Address) and birth date (Bdate).
- 4. Retrieve the names (Lname and Fname) of employees in department number 5 who work more than 10 hours per week on the 'ProductX' project.
- 5. Make a list of all project numbers (Pnumber) 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.
- 6. Retrieve the names (Lname and Fname) of employees who have no dependents.
- 7. List the names (Lname and Fname) of all employees with two or more dependents.
- 8. Retrieve each department number (Dnumber), the number of employees in the department, and their average salary.