**Consider the relation schema of the COMPANY database given below**

EMPLOYEE (fmane, minit, lname, ssn, birthdate, address, sex, salary, superssn, dno)

DEPARTMENT (dname, dnumber, mgrssn, mgrstartdate)

PROJECT (pname, pnumber, plocation, dnum)

WORKS\_ON (essn, pno, hours)

DEPENDENT (essn, dependent-name, sex, bdate, relationship)

1. **Get department # for each department which has average salary more than $30000.**
2. **List the SSN and names of all Employees who are female but do not**

**work in the research department**

1. **Get the first & last names of employees who have at least one son.**
2. **Get department name & the average salary of all employees in each department.**
3. **List the names of all female Employees, together with the name of the department in which they work.**
4. **List the SSN and names of all Employees who either are female or**

**else work in the research department.**

1. **List the SSN and names of all Employees who are both female and work in the research department.**
2. **Get last name of each employee who does not work on project #1. Assume every employee works on at least one project.**

**select Distinct lname**

**from employee , works\_on**

**where ssn=essn and pno <>1;**

1. **For each employee, list the name of his/her dependent(s).**

**select fname as FNAME\_Emplyee , lname as LName\_employee , Dependent\_name**

**from Employee, dependent**

**where essn=ssn;**

1. **Get name of each department which has a location in Houston. ( > 1 solutions: exists, in, equal join)**
2. **Find the name of the supervisor of each employee.**
3. **Give the last name and SSN of those managers who *DO NOT* work on any one of the projects located in Cleveland.**

1. **Get the first & last names of all employees who work on the 'ProductZ' project over 5 hours per week.**
2. **Retrieve the names of all employees who do not have supervisors.**