**SQL Exercise Part 3**

1. List the names of all employees, their dependent names and dependent birth dates, who have dependents who are females.
2. Each employee who makes less than $80,000 will be allowed to work 1 hour less on each project they are working on. Please update the database to reflect this.
3. List every employee’s last name, along with the count of how many dependents he/she has.
4. List each project name and the number of employees who work on it as well as the number of hours total spent on it.

SELECT PROJECT.Pname,

FROM

1. List the total number of employees.

SELECT COUNT(\*)

FROM EMPLOYEE;

1. Find the employees who have no dependents.

SELECT \*

FROM EMPLOYEE

WHERE EMPLOYEE.SSN NOT EXISTS IN (SELECT DEPENDENT.ESSN FROM DEPENDENT);

1. Find the employees who have no supervisors.

SELECT \*

FROM EMPLOYEE

WHERE EMPLOYEE.SupervisorSSN=NULL;

1. List each department name and the amount of money it spends on salaries.

SELECT DEPARTMENT.Dname, SUM(SELECT EMPLOYEE.Salary FROM DEPARTMENT WHERE DEPARTMENT.Dnumber=EMPLOYEE.Dno)

FROM DEPARTMENT;

1. Find the total number of supervisors (employees who supervise someone).

SELECT COUNT(UNIQUE(a.\*))

FROM EMPLOYEE a, EMPLOYEE b

WHERE a.SSN=b.SupervisorSSN;