DBMS LAB
WEEK 8

PES1UG19CS592
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1. Using nested query retrieve the names of all employees who have two or more dependents.

```
postgres=# \c company
You are now connected to database "company" as user "postgres".
company=# SELECT LNAME, FNAME
company-# FROM EMPLOYEE
company-# WHERE (SELECT COUNT (*)
company(# FROM DEPENDENT
company(# WHERE SSN = ESSN) >= 2;
 lname |  fname
-------+----------
 Smith | John
 Wong  | Franklin
(2 rows)
```

2. Using nested query Retrieve the name of each employee who has a dependent with the same first name and is the same sex as the employee.

```
company=# SELECT E.FNAME, E.LNAME
company-# FROM EMPLOYEE AS E
company-# WHERE E.SSN IN (SELECT ESSN
company(# FROM DEPENDENT AS D
company(# WHERE E.FNAME = DEPENDENT_NAME AND E.Gender = Gender);
 fname | lname
-------+-------
(0 rows)
```

3. Using nested query retrieve names of employees whose salary is greater than the salary of all the employees in department 5.

```
company=# SELECT E.LNAME, E.FNAME
company-# FROM EMPLOYEE AS E
company-# WHERE E.SALARY > ALL(SELECT SALARY
company(# FROM EMPLOYEE
company(# WHERE DNO=5);
  lname   |  fname
----------+----------
 Borg     | James
 Wallace | Jennifer
(2 rows)
```

4. Retrieve the names of employees who have no dependents.(use Exists/Not Exists)

```
company=# SELECT FNAME, LNAME
company-# FROM EMPLOYEE
company-# WHERE NOT EXISTS (SELECT *
company(# FROM DEPENDENT
company(# WHERE SSN = ESSN);
 fname   |  lname
---------+---------
 James   | Borg
 Alicia | Zelaya
 Ramesh | Narayan
 Joyce   | English
 Ahmed   | Jabbar
(5 rows)
```

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

```
company=# SELECT FNAME, LNAME
company-# FROM EMPLOYEE
company-# WHERE EXISTS (SELECT *
company(# FROM DEPENDENT
company(# WHERE SSN = ESSN)
company-# AND
company-# EXISTS (SELECT *
company(# FROM DEPARTMENT
company(# WHERE SSN = MGR_SSN);
  fname    |  lname
-----------+---------
 Franklin | Wong
 Jennifer | Wallace
(2 rows)
```