## WEEK 8

SQL – Joins: inner, outer; Sub queries

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Write the SQL query for the following.

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

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.

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

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 * from dependent where ssn=essn);
fname
           lname
          Borg
James
          Zelaya
Alicia
Ramesh
          Narayan
          English
Joyce
Ahmed
          Jabbar
5 rows)
```

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

6. Using natural Join retrieve the name and address of every employee who works for the 'Research' department.

```
company=# select e.fname,e.lname,e.address
company-# from employee e
company-# join department d on d.dnumber = e.dno
company-# where d.dname = 'Research';
  fname
             lname
                               address
John
            Smith
                       731 Fondren, Houston, TX
            Wong
Franklin
                      638 voss, Houston, TX
            Narayan
                      975 Fire Oak, Humble, TX
Ramesh
            English
                       5631 Rice, Houston, TX
Joyce
(4 rows)
```