Assignment 3

Topic: SQL

Submission Date & Time: TBA

For each of the following, write the SQL statements that satisfy the requirements.

1. Use the COMPANY Schema for the following questions:

   a)   Find the details of the Employees working for department # 4

   b)   Find the details of the Employees who earn more than 30K.

   c)   Find the details of the Employees who either work for department # 4 and earn more than 25K or work for department # 5 and earn more than 30K.

   d)   Find the first name, last name and salaries of all the employees.

   e)   Find the combinations of sex and salary in the Employees table.

   f)   Find the names and salaries of the employees working for department # 5.

   g)   Find the SSN of the employees who either work for department # 5 or supervise someone who works for department # 5.

   h)   Find the SSN of the employees who work for department # 5 and also supervise someone who works for department # 5.

   i)   Find the SSN of the employees who do not work for department # 5 but supervise someone who works for department # 5.

   j)   Find the names of the female employees along with the names of their dependents.

   k)   Find out the names of the department managers.

   l)   List the names of the projects along with the names of the departments under which they are run.

   m)   List the name of the employees who are working on any project not being run by their department. (Nested Query)

   n)   List the names, gender and salaries of the employees who are supervised by Jennifer Wallace (Nested Query)

   o)   List the name of the employees who manage a department which has an office in Houston. (Nested Query)

   p)   Find the name and salaries of the employees who have a female dependent. (Nested Query)

q) Find the names of salaries of the employees who have a dependent of the same gender as the employee. (Co-Related Query)

r) List the average salary of the female employees.

s) List the names sex, and salary of the employees who earn more than the average salary of the female employees.

t) For each department list the department name and the average salary of the employees working in that department.

u) List the names of the employees who do not have any dependent.

v) List the names and salaries of the employees along with the total number of hours they have spent on all project.

w) List the names and salaries of the employees along with the total number of hours spent on projects if they have spent less than 20 hours total.

x) List the names and salaries of all the employees who have at least 2 dependents.

y) List the name of managers who have at least 1 dependent.

z) List the name and salaries of all the employees along with the total number of their dependents. (You must show data for all the employees even if they do not have any dependent)