**Assignment questions based on Joins, Group By and Sub Query using emp and dept tables for practice.**

**Group By and Joins**

1. List the employee numbers, names, department numbers and the department name
2. List all employees who joined the company before their manager.
3. Select employees name with reporting manager.
4. List all employees who are earning more than manager’s.
5. Write a query to display employee name,managername and manager’s department name.

6. Display all the employees who are in sales department and not reporting to Blake.

1. Find the department name where maximum numbers of employees are working.
2. List deptno, dname along with total salary in each department.
3. List details from emp, dept and salgrade table excluding clerks and employees with grade 1. Order on their names.
4. List ename, job, sal, grade, dname with annual remuneration greater than 36000 or any clerks.
5. List employee and department details for department 30 and 40.
6. List all employees who earn less than their managers. List their managers details also.
7. Find the job that was filled in first half of 1982 and the same job that was filled during first half of 1983
8. Find all employees who draw salary more than their manager
9. List the department numbers and number of employees in each department:
10. List the department number and the total salary payable in each department:
11. List the jobs and the number of employees in each job. The result should be in descending order of the number of employees:
12. List the total salary, maximum and minimum salary and the average salary of employees job wise:
13. List the average salary for each job excluding managers
14. List the average monthly salary for each job type within department.
15. List average salary for all departments employing more than five people.
16. List jobs of all the employees where maximum salary is greater than or equal to 3000.
17. List the total salary, maximum and minimum salary and the average salary of the employees job wise, for department number 20 and display only those rows having average salary greater than 1000:
18. List the number of people along with enames having ‘S’ in their name.
19. Display number of people along with the job which contains only 1 person in that job
20. Display job along with minimum salary which has minimum salary greater than or equal to 3000

**Sub Query**

1. List employee working under KING
2. List department with maximum average salary.
3. Find employees who earn highest salary in each job type.
4. Find employees who earn minimum salary for each job type excluding clerks. Sort on their salary.
5. Find most recently hired employee in each department. Order by hiredate.
6. List departments for which no employees exists.
7. In which year did most people join the company. Display the year and no of employees
8. Display department with maximum average salary.
9. **W**rite a query to list enames with job having maximum no., of employees
10. Write a query to list enames having maximum number of characters in their name