

Sample Tables

TABLE : **DEPT**

DEPTNO	DNAME	LOC
10	ACCOUNTING	NEW YORK
20	RESEARCH	DALLAS
30	SALES	CHICAGO
40	OPERATIONS	BOSTON

TABLE : **EMP**

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7369	SMITH	CLERK	7902	17-Dec-80	800		20
7499	ALLEN	SALESMAN	7698	20-Feb-81	1600	300	30
7521	WARD	SALESMAN	7698	22-Feb-81	1250	500	30
7566	JONES	MANAGER	7839	2-Apr-81	2975		20
7654	MARTIN	SALESMAN	7698	28-Sep-81	1250	1400	30
7698	BLAKE	MANAGER	7839	1-May-81	2850		30
7782	CLARK	MANAGER	7839	9-Jun-81	2450		10
7788	SCOTT	ANALYST	7566	9-Dec-82	3000		20
7839	KING	PRESIDENT		17-Nov-81	5000		10
7844	TURNER	SALESMAN	7698	8-Sep-81	1500	0	30
7876	ADAMS	CLERK	7788	12-Jan-83	1100		20
7900	JAMES	CLERK	7698	3-Dec-81	950		30
7902	FORD	ANALYST	7566	3-Dec-81	3000		20
7934	MILLER	CLERK	7782	23-Jan-82	1300		10

ASSIGNMENTS ON OPERATORS

- 1) Display all the employees who are getting 2500 and excess salaries in department 20.
- 2) Display all the managers working in 20 & 30 department.
- 3) Display all the managers who don't have a manager
- 4) Display all the employees who are getting some commission with their designation is neither MANAGER nor ANALYST
- 5) Display all the ANALYSTs whose name doesn't ends with 'S'
- 6) Display all the employees whose naming is having letter 'E' as the last but one character
- 7) Display all the employees who total salary is more than 2000.
(**Total Salary** = Sal + Comm)
- 8) Display all the employees who are getting some commission in department 20 & 30.
- 9) Display all the managers whose name doesn't start with A & S
- 10) Display all the employees who earning salary not in the range of 2500 and 5000 in department 10 & 20.

ASSIGNMENTS ON GROUPING

- 11) Display job-wise maximum salary.
- 12) Display the departments that are having more than 3 employees under it.
- 13) Display job-wise average salaries for the employees whose employee number is not from 7788 to 7790.
- 14) Display department-wise total salaries for all the Managers and Analysts, only if the average salaries for the same is greater than or equal to 3000.

Consider the following table: -

Assignment 5,6,7 & 8 are based on the following table

Table Name : **SKILLS**

ID	Name
101	Oracle
102	Oracle
103	Oracle
101	Oracle
102	Java
103	Java
101	Java
102	Java
103	Java
101	Java
101	Java
101	Oracle
101	VB
102	ASP

- 15) Select only the duplicate records along-with their count.
- 16) Select only the non-duplicate records.
- 17) Select only the duplicate records that are duplicated only once.
- 18) Select only the duplicate records that are not having the id=101.

ASSIGNMENTS ON SUBQUERIES

- 19) Display all the employees who are earning more than all the managers.
- 20) Display all the employees who are earning more than any of the managers.
- 21) Select employee number, job & salaries of all the Analysts who are earning more than any of the managers.
- 22) Select all the employees who work in DALLAS.
- 23) Select department name & location of all the employees working for CLARK.
- 24) Select all the departmental information for all the managers
- 25) Display the first maximum salary.
- 26) Display the second maximum salary.
- 27) Display the third maximum salary.
- 28) Display all the managers & clerks who work in Accounts and Marketing departments.
- 29) Display all the salesmen who are not located at DALLAS.
- 30) Get all the employees who work in the same departments as of SCOTT.
- 31) Select all the employees who are earning same as SMITH.
- 32) Display all the employees who are getting some commission in marketing department where the employees have joined only on weekdays.
- 33) Display all the employees who are getting more than the average salaries of all the employees.

ASSIGNMENTS ON JOINS

ASSIGNMENTS ON EQUI-JOINS

- 34) Display all the managers & clerks who work in Accounts and Marketing departments.
- 35) Display all the salesmen who are not located at DALLAS.
- 36) Select department name & location of all the employees working for CLARK.
- 37) Select all the departmental information for all the managers
- 38) Select all the employees who work in DALLAS.
- 39) Delete the records from the DEPT table that don't have matching records in EMP

ASSIGNMENTS ON OUTER-JOINS

- 40) Display all the departmental information for all the existing employees and if a department has no employees display it as "No employees".
- 41) Get all the matching & non-matching records from both the tables.
- 42) Get only the non-matching records from DEPT table (matching records shouldn't be selected).
- 43) Select all the employees name along with their manager names, and if an employee does not have a manager, display him as "CEO".

ASSIGNMENTS ON SELF-JOINS

- 44) Get all the employees who work in the same departments as of SCOTT
- 45) Display all the employees who have joined before their managers.
- 46) List all the employees who are earning more than their managers.
- 47) Fetch all the employees who are earning same salaries.
- 48) Select all the employees who are earning same as SMITH.
- 49)** Display employee name , his date of joining, his manager name & his manager's date of joining.