

EXPERIMENT-7,8

TITLE: Nested sql queries or Subqueries

Objective: To understand the use **SQL Subquery**

1.Create the following two tables (EMP and DEPT)

EMP TABLE

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL
COMM	DEPTNO				
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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	02-APR-81	2975
20					
7654	MARTIN	SALESMAN	7698	28-SEP-81	1250
1400	30				
7698	BLAKE	MANAGER	7839	01-MAY-81	2850
30					
7782	CLARK	MANAGER	7839	09-JUN-81	2450
10					
7788	SCOTT	ANALYST	7566	09-DEC-82	3000
20					
7839	KING	PRESIDENT		17-NOV-81	5000
10					
7844	TURNER	SALESMAN	7698	08-SEP-81	1500
0	30				
7876	ADAMS	CLERK	7788	12-JAN-83	1100
20					

7900	JAMES	CLERK	7698	03-DEC-81	950
30					
7902	FORD	ANALYST	7566	03-DEC-81	3000
20					
7934	MILLER	CLERK	7782	23-JAN-82	1300
10					

	DEPTNO	EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM
▶	20	7369	SMITH	CLERK	7902	1980-12-17	500	800
	30	7499	ALLEN	SALESMAN	7698	1981-02-20	1600	300
	30	7521	WARD	SALESMAN	7698	1981-02-22	1250	500
	20	7566	JONES	MANAGER	7839	1981-04-02	2975	NULL
	30	7654	MARTIN	SALESMAN	7698	1981-09-28	1250	1400
	30	7698	BLAKE	MANAGER	7839	1981-05-01	2850	NULL
	10	7782	CLARK	MANAGER	7839	1981-06-09	2450	NULL
	20	7788	SCOTT	ANALYST	7566	1982-12-09	3000	NULL
	10	7839	KING	PRESIDENT	NULL	1981-11-17	5000	NULL
	30	7844	TURNER	SALESMAN	7698	1981-09-08	1500	0
	20	7876	ADAMS	CLERK	7788	1983-01-12	1100	NULL
	30	7900	JAMES	CLERK	7698	1981-12-03	950	NULL
	20	7902	FORD	ANALYST	7566	1981-12-03	3000	NULL
	10	7934	MILLER	CLERK	7782	1982-01-23	1300	NULL
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

DEPT TABLE

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

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

Write the Nested Queries for the following queries.

1. List the details of the emps whose Salaries more than the employee BLAKE.

[illegible]

2. List the emps whose Jobs are same as ALLEN.

[illegible]

3. List the Emps whose Sal is same as FORD or SMITH in desc order of Names.

[illegible]

4. List the emps Whose Jobs are same as MILLER or Sal is more than ALLEN.

[illegible]

5. Find the highest paid employee of sales department.


[illegible]

6. List the employees who are senior to most recently hired employee working under king.

[illegible]

7. List the names of the emps who are getting the highest sal dept wise.

56 • `select ENAME, DEPTNO from emp where SAL in (select max(SAL) from emp group by DEPTNO);`

< 

	ENAME	DEPTNO
▶	BLAKE	30
	SCOTT	20
	KING	10
	FORD	20

8. List the emps whose sal is equal to the average of max and minimum

[illegible]

9. List the emps who joined in the company on the same date.

[illegible]

10. Find out the emps who joined in the company before their Managers.

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62 • select * from emp e where hiredate < (select hiredate from emp where EMPNO = e.MGR);
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[illegible]