

28/2/23

Exp 6 - Nested Queries

Aim :- To perform manipulate record of table using nested queries in SQL.

Syntax :

select select-list FROM table WHERE expr operator (select select-list FROM table);

- The subquery executes once before the main query.
- The result of subquery is used by the main query.

Q1} List the name of employee whose salary is greater than that of employee with empno 7566.

select ename from employee where sal > (select sal from emp where empno = 7566);

Q2} List the name of employee whose salary is greater than that of employee with empno 7369 & 7800. salary is greater than that of employee with empno 7876

Select ename From emp

where job = (select job FROM EMP where empno = 7369)

AND sal > (select sal from emp where empno = 7876)

Q3} List the ename, job & sal of emp who get minimum sal in company.

select ename, job, sal from emp where sal = (select min(sal) from emp);

ENAME

SCOTT

KING

ENAME

JAMES

JOB

CLERK

SAL

950

DEPTNO

10

MIN(SAL)

2450

EMPNO

ENAME

JOB

7566

JONES

MANAGER

7782

CLARK

MANAGER

7788

SCOTT

ANALYST

7831

KING

PRESIDENT

@/

Q4) ~~List~~ List deptno. & min(salary) dept, only if min(sal) is greater than the min(sal) of deptno. 20.

Select deptno, min(sal) from employee group by deptno. having min(sal) > (select min(sal) from employee where deptno = 20);

Q5) List empno, ename, job of the employee whose job is not a 'CLERK' and whose salary is less than at least one of the salaries of the employee whose job is 'CLERK'.

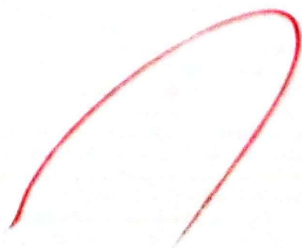
Select empno, ename, job from employee
where sal < any (select sal from employee where job = 'CLERK')
~~Select empno, ename, job from employee where sal < any (select~~
~~sal from emp where emp.job <> 'CLERK');~~

Q6) List empno, ename, job, of the emp whose sal is greater than average salary of each dept.

Select empno., ename, ejob from emp where esal > (select avg(sal) from emp where dept = edept);

Q7) Display the name, dept. no., salary & commission of any employee whose salary & commission matches both commission and salary of any employee in department 30.

Select ename, deptno, sal, comm FROM emp WHERE (sal, no2(comm. 1)) in (select sal, no2(comm - 1) FROM emp WHERE deptno = 30);



Deptmo

10

MIN(SAL)

2450

no rows selected

EMPNO

JOB

7566

JONES

7698

BLAKE

7782

CLARK

7788

SCOTT

7839

KING



Q8} List ename, sal, deptno, average salary of the dept where he/she works if salary of the employee is greater than his/her department average salary.

select ~~ename, sal, deptno, salary~~ (from emp
ename, a.sal, deptno, b.salary from emp a, (select
deptno, avg(sal), salary from emp group by deptno)
b where a.deptno = b.deptno and a.sal > b.salary;

Q9} Execute & write o/p of following query-

~~SQL~~ (Select dname, sum(sal) as dept-total from emp a, department
b where a.deptno = b.deptno. group by dname);

Q10} List ename, job, sal of employee whose salary is equal to any one of the salary of the employee 'SCOTT & WARD'.

Select ename, job, sal from emp where sal = any(select sal
from emp where ename = 'SCOTT' or ename = 'WARD');


Q11} List ename, job, sal of employee where salary & job equal to the employee 'FORD'.

Select ename, job, sal from emp
WHERE sal = (select sal from emp where ename = 'FORD' &
JOB = 'Analyst');

Q12} List ename, job, deptno, sal of the employee whose job is same as 'JONES' & salary is greater than employee 'FORD'

ENAME	JOB	SAL	DEPT NO
JONES	Manager	2975	20
BLAKE	Manager	2850	30
CLARK	Manager	2450	10

ENAME	JOB	SAL
WARD	SALESMAN	1250
MARTIN	SALESMAN	1250
SCOTT	ANALYST	3000



Select ename, job, sal, dept from emp where job. (select job from emp where ename 'JONES') & sal > (select sal from emp ename = 'FORD').

Q13} List ename, job of the employee who work in deptno 10 & his/her job is any one of the job in department 'sales'

Select ename, job from emp where dept = 10 & and job is (select job from emp where dept in (select dept from dept where DName = 'SALES'));

14} Execute the following query →

SQL} Select job, ename, empno, deptno, from emp where exists (select
from emp e where s.empno = emgr)
order by empno;

Exp no.	6	Date	28/2/2023
Exp Name	Nested Queries		
Understand the Concept (3 marks)	3		

JOB	ENAME	EMP NO	DEPT NO
MANAGER	Blake	7698	30
PRESIDENT	King	7839	10
MANAGER	Jones	7566	20
ANALYST	Scott	7788	20

