

# Lab Assignment-07

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QUES: Run the following queries.

1. List the emps whose Sal is > the total remuneration of the SALESMAN.
2. List the emps who are Senior to 'BLAKE' working at CHICAGO & BOSTON.
3. List the emps of Grade 3,4 belongs to the dept ACCOUNTING and RESEARCH whose sal is more than ALLEN and exp more than SMITH in the asc order of Exp.
4. List the emps whose jobs same as ALLEN Or SMITH.
5. Write a Query to display the details of emps whose Sal is same as of a) Employee Sal of Emp1 table. b) ¾ Sal of any Mgr of Emp2 table. c) The Sal of any sales person with exp of 5 yrs belongs to the sales dept of emp3 table. d) Any Grade 2 employees of Emp4 table. e) Any Grade 2 and 3 employee working for SALES dept or OPERATIONS dept joined in 89.
6. List the jobs of Deptno 10 those are not found in dept 20.
7. Find the details of highest paid employee.
8. Find the highest paid employee of sales dept.
9. List the most recently hired emp of grade 3 belongs to the Loc CHICAGO.
10. List the emps who are senior to most recently hired emp who is working under Mgr KING

SOLUTION:

List the emps whose Sal is > the total remuneration of the SALESMAN.

```
SQL> select * from emp where sal > (select sum(sal+comm) from emp where job = 'SALESMAN');
```

```
SQL> select * from emp where sal > (select sum(sal+comm) from emp where job = 'SALESMAN');  
no rows selected
```

List the emps who are Senior to 'BLAKE' working at CHICAGO & BOSTON.

```
SQL> select * from emp e ,dept d where d.loc in ('CHICAGO','BOSTON') and e.deptno = d.deptno  
and e.hiredate < (select e.hiredate from emp e where e.ename = 'BLAKE');
```

```
SQL> select * from emp e ,dept d where d.loc in ('CHICAGO','BOSTON') and e.deptno = d.deptno and e.hiredate < (select e.hiredate from emp e where e.ename = 'BLAKE');
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO	DEPTNO DNAME	LOC
7499	ALLEN	SALESMAN	7698	20-FEB-81	1600	300	30	30 SALES	CHICAGO
7521	WARD	SALESMAN	7698	22-FEB-81	1250	500	30	30 SALES	CHICAGO

List the emps of Grade 3,4 belongs to the dept ACCOUNTING and RESEARCH whose sal is more than ALLEN and exp more than SMITH in the asc order of Exp.

```
SQL> select * from emp e where e.deptno in (select d.deptno from dept d where d.dname in  
( 'ACCOUNTING','RESEARCH' ) ) and e.sal > (select sal from emp where ename = 'ALLEN') and  
e.hiredate < ( select hiredate from emp where ename = 'SMITH') and e.empno in (select e.empno  
from emp e ,salgrade s where e.sal between s.losal and s.hisal and s.grade in (3,4) ) order  
by e.hiredate desc;
```

```
SQL> select * from emp e where e.deptno in (select d.deptno from dept d where d.dname in ('ACCOUNTING','RESEARCH')) and e.sal > (select sal from emp where ename = 'ALLEN')
and e.hiredate < (select hiredate from emp where ename = 'SMITH') and e.empno in (select e.empno from emp e ,salgrade s where e.sal between s.losal and s.hisal and s.grade
in (3,4)) order by e.hiredate desc;
```

no rows selected

List the emps whose jobs same as ALLEN Or SMITH.

```
SQL> select * from Emp where job in (select distinct job from emp where ename in ('ALLEN','SMITH')) and ename not in ('ALLEN','SMITH');
```

```
SQL> select * from Emp where job in (select distinct job from emp where ename in ('ALLEN','SMITH')) and ename not in ('ALLEN','SMITH');
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7934	MILLER	CLERK	7782	23-JAN-82	1300		10
7900	JAMES	CLERK	7698	03-DEC-81	950		30
7876	ADAMS	CLERK	7788	23-MAY-87	1100		20
7844	TURNER	SALESMAN	7698	08-SEP-81	1500	0	30
7654	MARTIN	SALESMAN	7698	28-SEP-81	1250	1400	30
7521	WARD	SALESMAN	7698	22-FEB-81	1250	500	30

6 rows selected.

Write a Query to display the details of emps whose Sal is same as of a) Employee Sal of Emp1 table. b) ¾ Sal of any Mgr of Emp2 table. c) The Sal of any sales person with exp of 5 yrs belongs to the sales dept of emp3 table. d) Any Grade 2 employees of Emp4 table. e) Any Grade 2&3 employee working for SALES dept or OPERATIONS dept joined in 89.

```
SQL> select * from emp where sal in (select sal from emp);
```

```
SQL> select * from emp where sal in (select sal from emp);
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7839	KING	PRESIDENT		17-NOV-81	5000		10
7698	BLAKE	MANAGER	7839	01-MAY-81	2850		30
7782	CLARK	MANAGER	7839	09-JUN-81	2450		10
7566	JONES	MANAGER	7839	02-APR-81	2975		20
7902	FORD	ANALYST	7566	03-DEC-81	3000		20
7788	SCOTT	ANALYST	7566	19-APR-87	3000		20
7369	SMITH	CLERK	7902	17-DEC-80	800		20
7499	ALLEN	SALESMAN	7698	20-FEB-81	1600	300	30
7654	MARTIN	SALESMAN	7698	28-SEP-81	1250	1400	30
7521	WARD	SALESMAN	7698	22-FEB-81	1250	500	30
7844	TURNER	SALESMAN	7698	08-SEP-81	1500	0	30
7876	ADAMS	CLERK	7788	23-MAY-87	1100		20
7900	JAMES	CLERK	7698	03-DEC-81	950		30
7934	MILLER	CLERK	7782	23-JAN-82	1300		10

14 rows selected.

```
SQL> select * from emp where sal in (select sal from emp) and sal in (select sal*3 from emp where job='MANAGER');
```

```
SQL> select * from emp where sal in (select sal from emp) and sal in (select sal*3 from emp where job='MANAGER');
```

no rows selected

```
SQL> select * from emp where sal in (select sal from emp) and sal in (select sal from emp
where months_between(sysdate,hiredate)/12 > 5);
```

```
SQL> select * from emp where sal in (select sal from emp) and sal in (select sal from emp where months_between(sysdate,hiredate)/12 > 5);
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7839	KING	PRESIDENT		17-NOV-81	5000		10
7698	BLAKE	MANAGER	7839	01-MAY-81	2850		30
7782	CLARK	MANAGER	7839	09-JUN-81	2450		10
7566	JONES	MANAGER	7839	02-APR-81	2975		20
7788	SCOTT	ANALYST	7566	19-APR-87	3000		20
7902	FORD	ANALYST	7566	03-DEC-81	3000		20
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
7654	MARTIN	SALESMAN	7698	28-SEP-81	1250	1400	30
7844	TURNER	SALESMAN	7698	08-SEP-81	1500	0	30
7876	ADAMS	CLERK	7788	23-MAY-87	1100		20
7900	JAMES	CLERK	7698	03-DEC-81	950		30
7934	MILLER	CLERK	7782	23-JAN-82	1300		10

14 rows selected.

```
SQL> select * from emp where sal in (select sal from emp) and sal in (select sal from emp
,salgrade where grade=2 and sal between losal and hisal);
```

```
SQL> select * from emp where sal in (select sal from emp) and sal in (select sal from emp ,salgrade where grade=2 and sal between losal and hisal);
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7654	MARTIN	SALESMAN	7698	28-SEP-81	1250	1400	30
7521	WARD	SALESMAN	7698	22-FEB-81	1250	500	30
7934	MILLER	CLERK	7782	23-JAN-82	1300		10

```
SQL> select * from emp where sal in (select sal from emp) and sal in (select sal from
Emp,salgrade,dept where grade in(2,3) and dname in ('SALES','OPERATIONS') and hiredate
like '%89' and sal between losal and hisal and emp.deptno=dept.deptno);
```

```
SQL> select * from emp where sal in (select sal from emp) and sal in (select sal from Emp,salgrade,dept where grade in(2,3) and dname in ('SALES','OPERATIONS') and hiredate
like '%89' and sal between losal and hisal and emp.deptno=dept.deptno);
```

no rows selected

List the jobs of Deptno 10 those are not found in dept 20.

```
SQL> select e.job from emp e where e.deptno = 10 and e.job not in (select job from emp
where deptno = 20);
```

```
SQL> select e.job from emp e where e.deptno = 10 and e.job not in (select job from emp where deptno = 20);
```

JOB
PRESIDENT

Find the details of highest paid employee

```
SQL> select * from emp where sal in (select max(sal) from emp);
```

```
SQL> select * from emp where sal in (select max(sal) from emp);
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7839	KING	PRESIDENT		17-NOV-81	5000		10

Find the highest paid employee of sales dept.

```
SQL> select * from emp where sal in (select max(sal) from emp where deptno in (select d.deptno from dept d where d.dname = 'SALES'));
```

```
SQL> select * from emp where sal in (select max(sal) from emp where deptno in (select d.deptno from dept d where d.dname = 'SALES'));
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7698	BLAKE	MANAGER	7839	01-MAY-81	2850		30

List the most recently hired emp of grade 3 belongs to the Loc CHICAGO.

```
SQL> select * from emp e where e.deptno in ( select d.deptno from dept d where d.loc = 'CHICAGO') and e.hiredate in (select max(hiredate) from emp where empno in (select empno from emp e,salgrade s where e.sal between s.losal and s.hisal and s.grade = 3));
```

```
SQL> select * from emp e where e.deptno in ( select d.deptno from dept d where d.loc = 'CHICAGO') and e.hiredate in (select max(hiredate) from emp where empno in (select empno from emp e,salgrade s where e.sal between s.losal and s.hisal and s.grade = 3));
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7844	TURNER	SALESMAN	7698	08-SEP-81	1500	0	30

List the emps who are senior to most recently hired emp who is working under Mgr KING

```
SQL> select * from emp where hiredate < (Select max(hiredate) from emp) and mgr=(select empno from emp where ename='KING');
```

```
SQL> select * from emp where hiredate < (Select max(hiredate) from emp) and mgr=(select empno from emp where ename='KING');
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7698	BLAKE	MANAGER	7839	01-MAY-81	2850		30
7782	CLARK	MANAGER	7839	09-JUN-81	2450		10
7566	JONES	MANAGER	7839	02-APR-81	2975		20