**SQL Assignments - Set 5**

1. Display the oldest employee in the deptno 30.
2. Display the records of employees who earn salary less than the average salary of job SALESMAN. The records of SALESMAN should be excluded from the report.
3. Display the top earner’s records from the job CLERK.
4. Display the records of lowest earners who joined in the year 81.
5. Display the records of employees who are earning above the average salary in their own deptno.
6. Display the name, hire date, and salary for all employees who have both the same salary and commission as Scott.

Note: Do not display SCOTT in the result set.

1. Display the department names of employees who have their salary greater than Martin’s salary
2. Display the department name that has the highest salary record.

1

>> select ename, hiredate

from ( select ename, hiredate from emp

where deptno in (30)

) dt

order by hiredate

limit 1; -------------- derived table

>> select ename, hiredate

from emp

where deptno = 30

order by hiredate asc

limit 1; ------------ normal

>> select ename, hiredate

from emp e

where deptno = 30

and hiredate = (select min(hiredate)

from emp

where deptno = e.deptno

);

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2

>> select ename, sal

from emp e

where sal < (select avg(sal)

from emp

where job in ("Salesman")

)

and job <> "Salesman";

>> select avg(sal)

from emp

where job in ("Salesman")

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3

>> select ename, sal

from ( select ename, sal

from emp

where job in ('clerk')

) dt

order by sal desc

limit 1;

>> select ename, sal

from emp

where job in ('clerk');

>> select \*

from emp

where job in ('clerk')

and sal = ( select max(sal)

from emp

where job in ('clerk')

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4

>> select \*

from emp

where ename in (select ename

from emp

where year(hiredate) in (1981)

)

order by sal

limit 1;

>> select \*

from emp

where year(hiredate) in (1981)

and sal = ( select min(sal)

from emp

where year(hiredate) in (1981)

);

>> select min(sal)

from emp

where year(hiredate) in (1981);

>> select ename

from emp

where year(hiredate) in (1981);

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5

>> select \*

from emp e

where sal > ( select avg(sal)

from emp

where deptno = e.deptno

);

>> select avg(sal)

from emp

where deptno = e.deptno

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6

>> select ename, hiredate, sal

from emp

where ename <> 'scott'

and (sal, comm) = ( select sal, comm

from emp

where ename = 'scott'

);

>> select ename, hiredate, sal

from emp

where ename <> 'scott'

and sal = ( select sal

from emp

where ename in ('scott')

)

and comm <=> ( select comm

from emp

where ename in ('scott')

);

>> select ename, hiredate, sal

from emp

where sal = 3000

and comm <=> null;

>> select sal

from emp

where ename in ('scott');

>> select comm

from emp

where ename in ('scott');

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7

>> select distinct (dname)

from dept d

join emp e

on d.deptno = e.deptno

where e.sal > ( select sal

from emp

where ename in ('martin')

);

>> select sal

from emp

where ename in ('martin');

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8

>> select dname

from dept d

join emp e

on d.deptno = e.deptno

where sal = ( select max(sal)

from emp

);

>> select max(sal)

from emp;