**SQL Assignments - Set 5**

1. Display the oldest employee in the deptno 30.

**select ename, hiredate**

**from emp e**

**where deptno = 30**

**and hiredate = (select min(hiredate)**

**from emp**

**where deptno = e.deptno**

**);**

1. 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.

**select ename, sal**

**from emp e**

**where sal < (select avg(sal)**

**from emp**

**where job in ("Salesman")**

**)**

**and job <> "Salesman";**

1. Display the top earner’s records from the job CLERK.

**select \***

**from emp**

**where job in ('clerk')**

**and sal = ( select max(sal)**

**from emp**

**where job in ('clerk')**

1. Display the records of lowest earners who joined in the year 81.

**select \***

**from emp**

**where ename in (select ename**

**from emp**

**where year(hiredate) in (1981)**

**)**

**order by sal**

**limit 1;**

1. Display the records of employees who are earning above the average salary in their own deptno.

**select \***

**from emp e**

**where sal > ( select avg(sal)**

**from emp**

**where deptno = e.deptno**

**);**

1. 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.

**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')**

**);**

1. Display the department names of employees who have their salary greater than Martin’s salary

**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')**

**);**

1. Display the department name that has the highest salary record.

**select dname**

**from dept d**

**join emp e**

**on d.deptno = e.deptno**

**where sal = ( select max(sal)**

**from emp**

**);**

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);

``````````````````````````````````````````````````````````````````````````````

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;