1. select e1.ename,e1.deptno,e2.maxsal from emp e1

-> join ( select deptno,max(sal) as maxsal from emp group by deptno) as e2

-> on e1.sal = e2.maxsal;

2. select e1.ename,e2.deptno,e2.avgsal from emp e1

-> join (select deptno,avg(sal) avgsal from emp group by deptno) as e2

-> on e1.sal>e2.avgsal and e1.deptno = e2.deptno;

3. select n.deptno,avg(grade) from (select e.ename,e.sal,e.deptno,s.grade from emp e join salgrade s on e.sal between losal and hisal) n group by deptno;

4. select ename,sal from emp order by sal desc limit 0,1;

5. select deptno,t.avgsal from (select deptno,avg(sal) as avgsal from emp group by deptno) as t order by t.avgsal desc limit 0,1;

6. select dname,avgsal from(

-> select d.dname,t.avgsal from dept d join (select deptno,avg(sal) as avgsal from emp group by deptno) as t on d.deptno=t.deptno) as tt order by avgsal desc limit 0,1;

7. select

d.dname,a.avgsal,s.grade

from

dept d

join

(select deptno,avg(sal) as avgsal

from

emp

group by deptno) as a

on d.deptno = a.deptno

join salgrade s

on a.avgsal BETWEEN s.losal and s.hisal

ORDER by avgsal ASC LIMIT 0,1;

8.