1. select loc,count(*) from emp,dept where emp.deptno=dept.deptno group by loc
2. select loc,count(*) from emp,dept where emp.deptno=dept.deptno group by loc having count(*)=6
3. select max(count(*)) from emp,dept where emp.deptno=dept.deptno group by loc
4. select loc,count(*) from emp,dept where emp.deptno=dept.deptno group by loc having count(*)=(select max(count(*)) from emp,dept where emp.deptno=dept.deptno group by loc)
5. select emp.*,dname,loc from emp,dept where emp.deptno=dept.deptno and loc=(select loc from emp,dept where emp.deptno=dept.deptno group by loc having count(*)=(select max(count(*)) from emp,dept where emp.deptno=dept.deptno group by loc))
6. select emp.*,dname,loc,grade from emp,dept,salgrade where emp.sal between salgrade.losal and salgrade.hisal and emp.deptno=dept.deptno and loc=(select loc from emp,dept where emp.deptno=dept.deptno group by loc having count(*)=(select max(count(*)) from emp,dept where emp.deptno=dept.deptno group by loc))
7. select grade,count(*) from emp,salgrade where emp.sal between salgrade.losal and salgrade.hisal group by grade
8. select grade,count(*) from emp,salgrade where emp.sal between salgrade.losal and salgrade.hisal group by grade having count(*)=(select max(count(*)) from emp,salgrade where emp.sal between salgrade.losal and salgrade.hisal group by grade)

1. Find the highest paid manager employee of grade 2

Ans :

 select emp.*,grade from emp,salgrade where (emp.sal between salgrade.losal and salgrade.hisal) and grade=2 and job='MANAGER' and sal=

(select max(sal)from emp,salgrade where (emp.sal between salgrade.losal and salgrade.hisal) and grade=2 and job='MANAGER')

2. Find the highest paid employee of DALLAS

Ans :

select emp.*,dname,loc from emp,dept where emp.deptno=dept.deptno and loc='DALLAS' and sal=(select max(sal) from emp,dept where emp.deptno=dept.deptno and loc='DALLAS')

3. Find the grades where atleast two employees are woring.

 Ans :

select grade,count(grade) from emp,salgrade where emp.sal between losal and hisal group by grade having count(*)>=2

4. Find the loc which employee's got the maximum average salary.

Ans :

select loc,avg(sal) from emp ,dept where emp.deptno=dept.deptno group by loc having avg(sal)=

(select max(avg(sal)) from emp,dept where emp.deptno=dept.deptno group by loc)

Or: select loc,avg(sal) from emp ,dept where emp.deptno=dept.deptno group by loc having avg(sal)=

(select max(avg(sal)) from emp group by deptno)

5. Find the detail of the employees who belong from the grade were maximum no of employees are working.

Ans :

select emp.*,grade from emp,salgrade where emp.sal between salgrade.losal and salgrade.hisal and grade=

(select grade from emp,salgrade where emp.sal between salgrade.losal and salgrade.hisal group by grade having count(*)=

(select max(count(*))from emp,salgrade where emp.sal between salgrade.losal and salgrade.hisal group by grade))

6. List the highest paid emp of Chicago joined before the most recently hired emp of grade2

Ans :

select emp.*,dname,loc from emp,dept where emp.deptno=dept.deptno and loc='CHICAGO' and sal=

(select max(sal) from emp,dept where emp.deptno=dept.deptno and loc='CHICAGO' and hiredate<(select max(hiredate)from emp,salgrade where emp.sal between losal and hisal and grade=2))