select \*

from employee where dno in

(select d.Dnumber from employee e2 join department d on e2.dno = d.Dnumber where e2.salary in

( select max(e1.salary) from employee e1));

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

select e.dno, count(\*) number\_of\_employees,(select d.dname from department d where d.Dnumber = e.dno) 'name of department'

from employee e

group by e.dno

order by number\_of\_employees desc limit 1;

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

select \* from employee where ssn not in

(select e1.ssn from employee as e1 join employee as e2 where e2.Super\_ssn=e1.ssn);

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

select \* from department d join employee e on d.mgr\_ssn = e.Ssn;

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

select e.fname,e.lname,count(\*) as number\_of\_p

from project p

join works\_on w

join employee e

on p.Pnumber = w.pno and w.essn = e.ssn

group by w.Essn

order by number\_of\_p desc limit 1;

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

select e.fname,e.lname,count(\*) as number\_of\_p

from project p

join works\_on w

join employee e

on p.Pnumber = w.pno and w.essn = e.ssn

group by w.Essn

order by number\_of\_p desc