Q2:

(select pnumber

from project, department d, employee e

where e.dno=d.dnumber

and

d.mgr\_snn=ssn

and

e.lname='employee1' )

union

(select pno

from works\_on, employee

where essn=ssn and lname='employee1' );

Q3:

select lname, fname

from employee

where salary > (

select max(salary)

from employee

where dno=5 );

Q4:

select e.fname, e.lname

from employee as e

where e.ssn in (

select essn

from dependent as d

where e.fname = d.dependent\_name

and

e.sex = d.sex );

Q5:(Alternative)

select fname,lname from employee

where ssn in ( select essn from dependent );

Q6:

select dep\_emp.Dnumber , count( dep\_emp.Ssn)

from ( Department inner join (select Ssn,Dno from Employee where salary>40000) as emp

on emp.Dno = Department.Dnumber) as dep\_emp

group by dep\_emp.Dnumber

query 10:

select \*

from actor

where act\_id in(

select act\_id

from movie\_cast

where mov\_id =(

select mov\_id

from movie

where mov\_title ='Annie Hall'));

query 11:

select director.dir\_fname , director.dir\_lname

from (select mov\_id from movie where mov\_title='Eyes Wide Shut') as movie\_film

inner join movie\_direction on movie\_direction.mov\_id = movie\_film.mov\_id

inner join movie\_cast on movie\_film.mov\_id = movie\_cast.mov\_id

inner join director on movie\_direction.dir\_id = director.dir\_id;

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