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Lab3

1)

select d.Dnum,d.Dname,concat(Fname,' ',Lname) as fullName

from employee e,departments d

where d.MGRSSN=e.SSN;

2)

select d.Dname,p.Pname

from departments d inner JOIN project p

on p.Dnum=d.DnumPname

3)

select de.\*,concat(Fname,' ',Lname) as fullName

from dependent de left join employee e

on de.ESSN=e.SSN;

4)

select de.Dependent\_name,concat(Fname,' ',Lname) as fullName

from dependent de,employee e

where de.Sex='F' and e.Gender='F' and de.ESSN=e.SSN

union

select de.Dependent\_name,concat(Fname,' ',Lname) as fullName

from dependent de,employee e

where de.Sex='M' and e.Gender='M' and de.ESSN=e.SSN

5)

select Pname,Pnumber,Plocation

from project

where City in('Cairo','Alex')

6)

select \*

from project

where Pname like 'a%'

7)

select \*

from employee

where DNO=30 and Salary between 1000 and 2000

8)

select concat(Fname,' ',Lname) as fullName

from employee e, works\_for w,project p

where w.Essn=e.SSN and e.DNO=10 and w.hours>=10

and w.Pno=p.Pnumber and Pname='AL Rabwah'

9)

select concat(e.Fname,' ',e.Lname) as fullName

from employee e

where e.SuperSSN=(select SSN

from employee s

where s.Fname='Kamel' and s.Lname='Mohamed')

10)

select p.Pname ,w.hours

from project p,works\_for w

where p.Pnumber=w.Pno

11)

select concat(Fname,' ',Lname) as fullName , p.Pname

from employee e, works\_for w,project p

where w.Essn=e.SSN and w.Pno=p.Pnumber

order by p.Pname

12)

select \*

from departments

where Dnum= (select DNO

from employee

where (SSN = (select min(SSN) from employee)))

13)

select DNO, min(Salary) as min\_salary , max(Salary) as max\_salary ,avg(Salary) as avg\_salary

from departments inner join employee

on Dnum=DNO

group by DNO

14)

select Fname,Lname

from employee e, departments d

where e.SSN = d.MGRSSN

AND e.SSN not in (select ESSN from dependent);

15)

SELECT Dnum,Dname,avg(Salary),count(SSN)

from employee e,departments d

where e.DNO = d.Dnum

GROUP BY d.Dnum , Dname

having avg(Salary) < (select avg(Salary) from employee);

16)

select d.Dname,e.Lname,e.Fname,p.Pname

from departments d,employee e,works\_for w,project p

where e.SSN=w.Essn and w.Pno = p.Pnumber

order by dname,lname,fname;

17)

select p.Pnumber,d.Dname,e.Lname,e.Address,e.Bdate

from project p ,departments d,employee e

where p.Dnum = d.Dnum

and e.SSN = d.MGRSSN

and p.City='Cairo';