

--1 details of nurse who is yet to be registered

```
select *from nurse
where registered='f';
```

--2 Write a query in SQL to find the name of the nurse who are th

```
select *from nurse
where position='Head Nurse';
```

--3 Write a query in SQL to obtain the name of the physicians who

```
select p.name,d.name from physician p
inner join department d
on p.employeeid = d.head;
```

--4 Write a query in SQL to count the number of patients who take

```
select count(distinct(patient)) from appointment;
```

--5 Write a query in SQL to find the floor and block where the ro

```
select blockfloor,blockcode,roomnumber
from room
where roomnumber=212;
```

--6 Write a query in SQL to count the number available rooms

```
select count(unavailable)
from room
where unavailable='f';
```

--7 Write a query in SQL to count the number of unavailable rooms

```
(select count(unavailable)
from room
where unavailable='t')
select *from avlbl;
```

--8 Write a query in SQL to obtain the name of the physician and

```
select employeeid,department,p.name as physician_name,d.name as dep
from physician p
inner join affiliated_with aw
on p.employeeid = aw.physician
inner join department d
on aw.department = d.department_id
where primaryaffiliation='t';
```

--9 Write a query in SQL to obtain the name of the physicians who

```
select employeeid,name
from physician
where employeeid in (select distinct physician
                     from trained_in);
```

--method 2 using join

```
select p.employeeid,p.name,pr.code,pr.name as name_of_procedure
from physician p
inner join trained_in ti
on p.employeeid=ti.physician
inner join procedure pr
on ti.treatment=pr.code;
```

--10 Write a query in SQL to obtain the name of the physicians wi

```
select p.name,d.name from physician p
```

```
on p.employeeid = aw.physician
inner join department d
on aw.department = d.department_id
where primaryaffiliation='f';
```

--11 Write a query in SQL to obtain the name of the physicians wh

```
select name as not_specialized_physicians
from physician
where employeeid not in(select distinct physician
                        from trained_in);
```

--12 Write a query in SQL to obtain the name of the patients with

```
select p.name as patient_name,ph.name as phy_who_did_pri_treatment
from patient p
inner join physician ph
on p.pcp = ph.employeeid;
```

--13 Write a query in SQL to find the name of the patients and th

```
select p.name as patient_name,count(distinct physician) as no_of_ph
from patient p
inner join appointment a
on p.ssn = a.patient
group by p.name;
```

--14 Write a query in SQL to count number of unique patients who

```
from appointment
group by examinationroom
having examinationroom='C';
```

--15 Write a query in SQL to find the name of the patients and the

```
select p.name as patient_name, s.room as roomnumber
from patient p
inner join stay s
on p.ssn = s.patient
inner join room r
on s.room = r.roomnumber;
```

--16 Write a query in SQL to find the name of the nurses and the

```
select n.employeeid as nurse_id, n.name as nurse_name, room as room_n
from nurse n
inner join undergoes u
on n.employeeid = u.assistingnurse
inner join stay s
on u.stay = s.stayid;
```

--17 Write a query in SQL to find the name of the patients who ta

```
select p.name as patient_name,
       ph.name as physician_name,
       n.name as nurse_name,
       a.examinationroom
from patient p
left outer join appointment a
on p.ssn = a.patient
left outer join physician ph
on a.physician = ph.employeeid
```

```
on a.prepnurse = n.employeeid
```

```
where start_dt = '25-04-08';
```

```
--18 Write a query in SQL to find the name of patients and their
```

```
select p.name as patient_name,ph.name as physician_name
```

```
from patient p
```

```
inner join undergoes u
```

```
on p.ssn = u.patient
```

```
inner join physician ph
```

```
on u.physician = ph.employeeid
```

```
where assistingnurse is null;
```

```
--19 Write a query in SQL to find the name of the patients, their
```

```
select p.ssn,p.name as patient_name,ph.name as treating_phy_name,m.
```

```
from patient p
```

```
inner join undergoes u
```

```
on p.ssn = u.patient
```

```
inner join prescribes pr
```

```
on u.patient = pr.patient
```

```
innerjoin medication m
```

```
on pr.medication = m.code
```

```
inner join physician ph
```

```
on pr.physician = ph.employeeid;
```

```
--20 Write a query in SQL to find the name of the patients who ta
```

```
select p.ssn,
```

```
       p.name as patient_name,
```

```
        m.name as medicine_name
from patient p
left outer join appointment a
on p.ssn = a.patient
left outer join prescribes pr
on a.patient = pr.patient
left outer join physician ph
on pr.physician = ph.employeeid
left outer join medication m
on pr.medication = m.code
;
```

--22 Write a query in SQL to count the number of available rooms

```
select blockcode as block_no, count(*) as no_of_available_rooms
from room
where unavailable='f'
group by blockcode;
```

--23 Write a query in SQL to count the number of available rooms

```
select blockfloor as floor_no, count(*) as no_of_available_rooms
from room
where unavailable='f'
group by blockfloor;
```

--24 Write a query in SQL to count the number of available rooms

```
from room
where unavailable='f'
group by blockcode,blockfloor
order by 1,2;
```

--25 Write a query in SQL to count the number of unavailable room

```
select blockcode,blockfloor,count(*) no_of_available_rooms_in eachb
from room
where unavailable='t'
group by blockcode,blockfloor
order by 1,2;
```

--26 Write a query in SQL to find out the floor where the maximum

```
select blockfloor,count(unavailable) as available_room
from room
where unavailable='f'
group by blockfloor
order by count(unavailable) desc
fetch first row only;
```

--27 Write a query in SQL to find out the floor where the minimum

```
select blockfloor,count(unavailable)
from room
where unavailable = 'f'
group by blockfloor
having count(unavailable)=(select min(count(unavailable))
                           from room
                           where unavailable = 'f'
                           group by blockfloor)
order by blockfloor;
```

--28 Write a query in SQL to obtain the name of the patients, the

```
select ssn as patient_id,  
       p.name as patient_name,  
       blockfloor,  
       blockfloor,  
       roomnumber  
from patient p  
inner join stay s  
on p.ssn = s.patient  
inner join room r  
on s.room = r.roomnumber;
```

--29 Write a query in SQL to obtain the nurses and the block where

```
select employeeid as nurse_id,  
       name as nurse_name,  
       blockcode  
from nurse n  
left outer join on_call oc  
on n.employeeid = oc.nurse;
```

--31 Write a SQL query to obtain the names of all the physicians

```
select ph.name as physician_name, u.procedure  
from physician ph  
inner join undergoes u  
on ph.employeeid = u.physician  
left outer join trained_in ti  
on u.physician = ti.physician  
and u.procedure = ti.treatment  
where treatment is null;
```


--32 Write a query in SQL to obtain the names of all the physicia

```
select p.name as patient_name,ph.name as physician_name,date_ as da
      pr.name as procedure_name,code as procedure_code
from physician ph
inner join undergoes u
on ph.employeeid = u.physician
left outer join trained_in ti
on u.physician = ti.physician
and u.procedure = ti.treatment
left outer join patient p
on u.patient = p.ssn
left outer join procedure pr
on u.procedure = pr.code
where treatment is null;
```

--33 Write a query in SQL to obtain the name and position of all

```
select employeeid,name as physician_name,position
from physician
where employeeid in(select u.physician
                    from undergoes u
                    inner join trained_in ti
                    on u.physician = ti.physician
                    where date_ > certificationexpires);
```

--34 Write a query in SQL to obtain the name of all those physici
--date of procedure, name of the patient on which the procedure h

```
select employeeid,
```

```
        ph.position,
        pr.name as procedure_name,
        u.date_ as date_of_procedure,
        p.name as patient_name,
        ti.certificationexpires
from physician ph
left outer join undergoes u
on ph.employeeid = u.physician
left outer join patient p
on u.patient = p.ssn
left outer join trained_in ti
on u.procedure = ti.treatment
left outer join procedure pr
on ti.treatment = pr.code
where date_ > certificationexpires;
```

--35 Write a query in SQL to obtain the names of all the nurses w

```
select employeeid, name as nurse_name
from nurse
where employeeid in(select oc.nurse from on_call oc
                    left outer join room r
                    on oc.blockkfloor = r.blockfloc
                    and oc.blockcode = r.blockcode
                    where roomnumber = 122);
```

--36 Write a query in SQL to Obtain the names of all patients who
--out primary care and the name of that physician

```
select p.name as patient_name,
        ph.name as physician_name
from patient p
left outer join prescribes pr
```

```
left outer join physician ph
on pr.physician = ph.employeeid
where pcp = pr.physician;
```

```
--37 Write a query in SQL to obtain the names of all patients who
--physician who has carried out primary care
```

```
select p.ssn,ph.employeeid as physician_id,
       p.name as patient_name,
       ph.name as primary_care_physician
from patient p
inner join undergoes u
on p.ssn = u.patient
inner join procedure pr
on u.procedure = pr.code
inner join physician ph
on p.pcp = ph.employeeid
where cost > 5000;
```

```
--38 Write a query in SQL to Obtain the names of all patients who
--out primary care
```

```
select a.patient as patient_id,p.name as patient_name,ph.name as ph
from patient p
inner join appointment a
on p.ssn = a.patient
inner join nurse n
on a.prepnurse = n.employeeid
```

```
on p.pcp = ph.employeeid
where registered='t'
group by a.patient,p.name,ph.name
having count(start_dt) >=2;
```

```
--39 Write a query in SQL to Obtain the names of all patients who
--department and name of that physician along with their primary
```

```
select p.name as patient_name,
       ph.name as primary_care_physician_name
from patient p
inner join physician ph
on p.pcp = ph.employeeid
where p.pcp not in(select head from department);
```