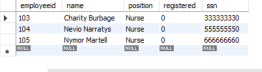
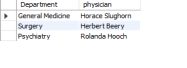
1. select \* from nurse where registered = 0;



2. select name as `name`, position as Position from nurse where position = 'Head Nurse';



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



4. select count(distinct patient) as "Number of patients taken at least one appointment" from appointment;



5. select blockfloor as Floor, blockcode as `Block` from room where roomnumber = 212;



6. select count(roomnumber) as "Number of available rooms" from room where unavailable = false;



7. select count(roomnumber) as "Number of available rooms" from room where unavailable = true;



8. select p.name as Physician, d.name as Department from physician as p inner join affiliated\_with as aw on p.employeeid = aw.physician inner join department as d on aw.department = d.departmentid;



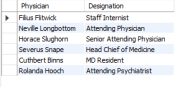
9.select p.name as Physician, pro.name as Treatment from physician as p inner join trained\_in as ti on p.employeeid = ti.physician inner join `procedure` as pro on pro.`code`= ti.treatment;



10. select phy.name as Physican, phy.position as position, d.name as Department from physician as phy inner join affiliated\_with as aw on phy.employeeid = aw.physician inner join department as d on aw.department = d.departmentid where aw.primaryaffiliation = false;

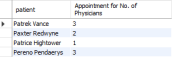


11. select `name` as Physician, `position` as Designation from physician where employeeid not in ( select physician from trained\_in );



12. select pat.name as Patient , pat.address as Address, phy.name as Physician from patient as pat inner join physician as phy on pat.pcp = phy.employeeid; 

13. select pat.name as patient, count(app.physician) as "Appointment for No. of Physicians" from patient as pat inner join appointment as app on pat.ssn = app.patient group by pat.ssn;



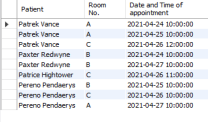
14. select count(distinct patient) as "No. of patients got appointment for room C" from appointment where examinationroom = 'c';



15. select pat.name as Patient, app.examinationroom as "Room No.", app.start\_dt\_time as "Date and Time of appointment"

from patient as pat

inner join appointment as app on pat.ssn = app.patient;



16. select n.name as "Name of the Nurse", app.examinationroom as "Room No." from nurse as n inner join appointment as app

on n.employeeid = app.prepnurse;



17. select pat.name as Patient, n.name as Nurse, phy.name as Physician, app.examinationroom as "Room No.", app.start\_dt\_time as `Schedule` from patient as pat inner join appointment as app

on pat.ssn = app.patient

inner join nurse as n

on app.prepnurse = n.employeeid

inner join physician as phy

on app.physician = phy.employeeid

where app.start\_dt\_time = "2021-04-25 10:00";



18. select pat.name as Patient, phy.name as Physician, app.examinationroom as "Room No."

from patient as pat

inner join appointment as app

on pat.ssn = app.patient

inner join physician as phy

on app.physician = phy.employeeid

where app.prepnurse IS NULL;



19. select pat.name as Patient, phy.name as Physician, med.name as Medication from patient as pat

inner join prescribes as pre

on pat.ssn = pre.patient

inner join physician as phy

on pre.physician = phy.employeeid

inner join medication as med

on pre.medication = med.code;



20. select pat.name as Patient , phy.name as Physician, med.name as Medication from patient as pat

inner join prescribes as pre

on pat.ssn = pre.patient

inner join physician as phy

on pre.physician = phy.employeeid

inner join medication as med

on pre.medication = med.code

where pre.appointment IS NOT NULL;



21. select pat.name as Patient , phy.name as Physician, med.name as Medication from patient as pat

inner join prescribes as pre

on pat.ssn = pre.patient

inner join physician as phy

on pre.physician = phy.employeeid

inner join medication as med

on pre.medication = med.code

where pre.appointment IS NULL;



22. select blockcode as 'Block' , count(blockcode) as "Number of available rooms" from room where unavailable = false

group by blockcode

order by blockcode;



23. select blockfloor as 'floor' , count(blockfloor) as "Number of available rooms" from room where unavailable = false

group by blockfloor

order by blockfloor;



24. select blockfloor as Floor, blockcode as 'Block', count(\*) as "Number of available rooms"

from room where unavailable = false

group by blockfloor, blockcode

order by blockfloor, blockcode;



25. select blockfloor as Floor, blockcode as 'Block', count(\*) as "Number of unavailable rooms"

from room where unavailable = true

group by blockfloor, blockcode

order by blockfloor, blockcode;



26.select blockfloor as Floor, count(blockfloor) as "Number of available rooms" from room where unavailable = false

group by blockfloor

having count(blockfloor)=

( select count(blockfloor) from room where unavailable = false

group by blockfloor order by count(blockfloor) desc limit 1)

order by blockfloor;



27. select blockfloor as Floor, count(blockfloor) as "Number of available rooms" from room where unavailable = false

group by blockfloor

having count(blockfloor)=

( select count(blockfloor) from room where unavailable = false

group by blockfloor order by count(blockfloor) ASC limit 1)

order by blockfloor;



28. select pat.name as Patient, room.blockcode as 'Block', room.blockfloor as Floor, stay.room as Room

from patient as pat

inner join stay on pat.ssn = stay.patient

inner join room on stay.room = room.roomnumber;



29. select n.name as Nurse, oc.blockcode as Block

from nurse as n inner join on\_call as oc

on n.employeeid = oc.nurse;



30. select pat.name as Patient, phy.name as Physician, n.name as Nurse, pro.name as `Procedure`,

stay.end\_time as "Date of release", stay.room as Room,

room.blockfloor as Floor, room.blockcode as 'Block'

from patient as pat

inner join undergoes as u

on pat.ssn = u.patient

inner join physician as phy

on u.physician = phy.employeeid

inner join nurse as n

on u.assistingnurse = n.employeeid

left join trained\_in as ti

on phy.employeeid = ti.physician

AND u.procedure = ti.treatment

inner join `procedure` as pro

on u.procedure = pro.code

inner join stay

on u.stay = stay.stayid

inner join room

on stay.room = room.roomnumber;



31. select phy.name as Physician from physician as phy

inner join undergoes as u

on phy.employeeid = u.physician

left join trained\_in as ti

on (phy.employeeid = ti.physician)

AND (u.procedure = ti.treatment)

inner join `procedure` as pro

on u.procedure = pro.code

inner join patient as pat

on u.patient = pat.ssn

where ti.treatment IS NULL;



32. select phy.name as Physician, pro.name as `Procedure`, u.date, pat.name as Patient

from physician as phy

inner join undergoes as u

on phy.employeeid = u.physician

left join trained\_in as ti

on (phy.employeeid = ti.physician)

AND (u.procedure = ti.treatment)

inner join `procedure` as pro

on u.procedure = pro.code

inner join patient as pat

on u.patient = pat.ssn

where ti.treatment IS NULL;



33. select distinct phy.name as Physician, phy.position as Position from physician as phy

inner join undergoes as u

on phy.employeeid = u.physician

left join trained\_in as ti

on (phy.employeeid = ti.physician)

AND (u.procedure = ti.treatment)

inner join `procedure` as pro

on u.procedure = pro.code

inner join patient as pat

on u.patient = pat.ssn

where ti.treatment IS not NULL;



34. SELECT phy.name AS Physician, phy.position AS Position, proc.name AS `Procedure`,

u.date AS "Date of Procedure", ti.certificationexpires AS "Expiry Date of Certificate", ptn.name AS Patient

FROM physician AS phy

INNER JOIN undergoes AS u

ON phy.employeeid = u.physician

INNER JOIN trained\_in AS ti

ON phy.employeeid = ti.physician

AND (u.procedure = ti.treatment)

AND (u.date > ti.certificationexpires)

INNER JOIN `procedure` AS proc

ON u.procedure = proc.code

INNER JOIN patient AS ptn

ON u.patient = ptn.ssn;



35. select n.name from nurse as n

inner join on\_call as oc

on n.employeeid = oc.nurse

join room as r

on oc.blockfloor = r.blockfloor

AND oc.blockcode = r.blockcode

WHERE r.roomnumber = 122;



36. select ptn.name as Patient, phy.name as Physician

from patient as ptn

join prescribes as pre

on ptn.ssn = pre.patient

join physician as phy

on pre.physician = phy.employeeid

where ptn.pcp = pre.physician



37. SELECT ptn.name AS Patient, phy.name AS "Primary Physician", proc.cost AS "Procedure Cost"

FROM patient AS ptn

INNER JOIN physician AS phy

ON ptn.pcp = phy.employeeid

INNER JOIN undergoes AS u

ON ptn.ssn = u.patient

INNER JOIN `procedure` AS proc

ON u.procedure = proc.code

WHERE proc.cost > 5000;



38. SELECT ptn.name AS Patient, phy.name AS "Primary Physician", n.name AS Nurse FROM patient AS ptn

INNER JOIN physician AS phy

ON ptn.pcp = phy.employeeid

INNER JOIN appointment AS app

ON ptn.ssn = app.patient

INNER JOIN nurse AS n

ON app.prepnurse = n.employeeid

WHERE n.registered = true

AND ptn.ssn IN

(SELECT patient FROM appointment GROUP BY patient HAVING COUNT(patient) > 1) ORDER BY ptn.name, phy.name, n.name;



39. SELECT ptn.name AS Patient, phy.name AS "Primary Physician" FROM patient AS ptn

INNER JOIN physician AS phy

ON ptn.pcp = phy.employeeid

WHERE ptn.pcp NOT IN

(SELECT head FROM department)

ORDER BY ptn.name, phy.name;

