1. select * from nurse where registered = 0;

104 Nevio Narratys Nurse 0 555555550 105 Nymor Martell Nurse 0 666666660		employeeid	name	position	registered	ssn
105 Nymor Martell Nurse 0 666666660	•	103	Charity Burbage	Nurse	0	333333330
		104	Nevio Narratys	Nurse	0	55555550
		105			0	666666660
NOTE NOTE NOTE NOTE		NULL	NULL	NULL	NULL	NULL

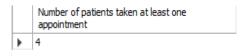
select name as `name`, position as Position from nurse where position = 'Head Nurse';



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

	Department	physician
•	General Medicine	Horace Slughorn
	Surgery	Herbert Beery
	Psychiatry	Rolanda Hooch

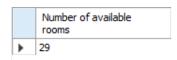
4. select count(distinct patient) as "Number of patients taken at least one appointment" from appointment;



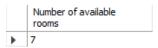
5. select blockfloor as Floor, blockcode as `Block` from room where roomnumber = 212;



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



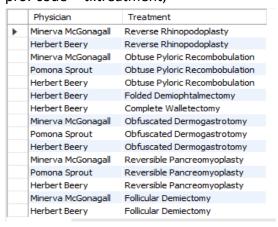
7. select count(roomnumber) as "Number of available rooms" from room where unavailable = true;



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);

	Physician	Designation
١	Filius Flitwick	Staff Internist
	Neville Longbottom	Attending Physician
	Horace Slughorn	Senior Attending Physician
	Severus Snape	Head Chief of Medicine
	Cuthbert Binns	MD Resident
	Rolanda Hooch	Attending Psychiatrist

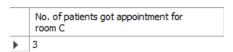
12. select pat.name as Patient , pat.address as Address, phy.name as Physician from patient as pat inner join physician as phy on pat.pcp = phy.employeeid;

	Patient	Address	Physician
•	Patrek Vance	42 Foobar Lane	Filius Flitwick
	Paxter Redwyne	37 Snafu Drive	Neville Longbottom
	Patrice Hightower	101 Omgbbq Street	Neville Longbottom
	Pereno Pendaerys	1100 Foobaz Avenue	Minerva McGonagall

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;

	patient	Appointment for No. of Physicians
١	Patrek Vance	3
	Paxter Redwyne	2
	Patrice Hightower	1
	Pereno Pendaerys	3

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;

	Patient	Room No.	Date and Time of appointment
•	Patrek Vance	Α	2021-04-24 10:00:00
	Patrek Vance	Α	2021-04-25 10:00:00
	Patrek Vance	С	2021-04-26 12:00:00
	Paxter Redwyne	В	2021-04-24 10:00:00
	Paxter Redwyne	В	2021-04-27 10:00:00
	Patrice Hightower	С	2021-04-26 11:00:00
	Pereno Pendaerys	В	2021-04-25 10:00:00
	Pereno Pendaerys	С	2021-04-26 10:00:00
	Pereno Pendaerys	Α	2021-04-27 10:00:00

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;

	Name of the Nurse	Room No.
•	Poppy Pomfrey	Α
	Poppy Pomfrey	В
	Poppy Pomfrey	В
	Bathsheda Babbling	Α
	Bathsheda Babbling	Α
	Charity Burbage	В
	Charity Burbage	C

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";

	Patient	Nurse	Physician	Room No.	Schedule
•	Patrek Vance	Bathsheda Babbling	Filius Flitwick	Α	2021-04-25 10:00:00
	Pereno Pendaerys	Charity Burbage	Horace Slughorn	В	2021-04-25 10:00:00

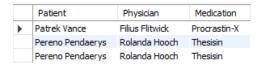
18. select pat.name as Patient, phy.name as Physician, app.examinationroom as "Room No."

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;

	Patient	Physician	Room No.
•	Pereno Pendaerys	Horace Slughorn	С
	Patrek Vance	Minerva McGonagall	С

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;

Patient Physician Medication

Pereno Pendaerys Rolanda Hooch Thesisin

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

	Block	Number of available rooms
•	1	9
	2	10
	3	10

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

	floor	Number of available rooms
•	1	8
	2	7
	3	7
	4	7

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;

	Floor	Block	Number of available rooms
•	1	1	3
	1	2	2
	1	3	3
	2	1	2
	2	2	2
	2	3	3
	3	1	2
	3	2	3
	3	3	2
	4	1	2
	4	2	3
	4	3	2

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;

	Floor	Block	Number of unavailable rooms
•	1	2	1
	2	1	1
	2	2	1
	3	1	1
	3	3	1
	4	1	1
	4	3	1

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;

	Floor	Number of available rooms
•	1	8

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;

	Floor	Number of available rooms
•	2	7
	3	7
	4	7

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;

	Patient	Block	Floor	Room
١	Patrek Vance	2	1	111
	Patrice Hightower	3	1	123
	Pereno Pendaerys	2	1	112

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;

	Nurse	Block
•	Poppy Pomfrey	1
	Poppy Pomfrey	2
	Bathsheda Babbling	3
	Charity Burbage	1
	Charity Burbage	2
	Charity Burbage	3

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;

	Patient	Physician	Nurse	Procedure	Date of release	Room	Floor	Block
•	Patrek Vance	Minerva McGonagall	Poppy Pomfrey	Reversible Pancreomyoplasty	2021-05-04 00:00:00	111	1	2
	Patrek Vance	Herbert Beery	Poppy Pomfrey	Obtuse Pyloric Recombobulation	2021-05-04 00:00:00	111	1	2
	Pereno Pendaerys	Minerva McGonagall	Bathsheda Babbling	Reverse Rhinopodoplasty	2021-05-03 00:00:00	112	1	2
	Patrek Vance	Herbert Beery	Poppy Pomfrey	Follicular Demiectomy	2021-05-03 00:00:00	112	1	2
	Pereno Pendaerys	Minerva McGonagall	Charity Burbage	Complete Walletectomy	2021-05-03 00:00:00	112	1	2

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;

	Physician	
•	Minerva McGonagall	

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;

	Physician	Procedure	date	Patient
•	Minerva McGonagall	Complete Walletectomy	2021-05-13 00:00:00	Pereno Pendaerys

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

from physician as phy

inner join undergoes as u

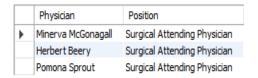
on phy.employeeid = u.physician

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)

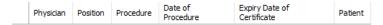
AND (u.date > ti.certificationexpires)

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;

	Patient	Primary Physician	Procedure Cost
•	Pereno Pendaerys	Minerva McGonagall	10000
	Patrek Vance	Filius Flitwick	5600

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;

	Patient	Primary Physician	Nurse	
•	Patrek Vance	Filius Flitwick	Bathsheda Babbling	
	Patrek Vance	Filius Flitwick	Poppy Pomfrey	
	Paxter Redwyne	Neville Longbottom	Poppy Pomfrey	
	Paxter Redwyne	Neville Longbottom	Poppy Pomfrey	
	Pereno Pendaerys	Minerva McGonagall	Bathsheda Babbling	

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;

	Patient	Primary Physician
•	Patrek Vance	Filius Flitwick
	Patrice Hightower	Neville Longbottom
	Paxter Redwyne	Neville Longbottom
	Pereno Pendaerys	Minerva McGonagall