1. Write a query in SQL to find the floor and block where the room number 212 belongs to.

SELECT blockfloor AS "Floor",

blockcode AS "Block"

FROM room

WHERE roomnumber=212;

1. Write a query in SQL to find all the information of the nurses who are registered
2. Write a query in SQL to obtain the name of the physicians who are the head of the department

SELECT d.name AS "Department",

p.name AS "Physician"

FROM department d,

physician p

WHERE d.head=p.employeeid;

1. Write a query in SQL to obtain the name of the patients
2. Write a query in SQL to find all the information of the Head nurse
3. Write a query in SQL to count the number of patients who booked an appointment with at least one physician.

SELECT count(DISTINCT patient) AS "No. of patients taken at least one appointment"

FROM appointment;

1. Write a query in SQL to obtain the name of the patients with their physicians by whom they got their preliminary treatement.

SELECT t.name AS "Patient",

t.address AS "Address",

p.name AS "Physician"

FROM patient t

JOIN physician p ON t.pcp=p.employeeid;

1. Write a query in SQL to obtain the name of the patients with their physicians by whom they got their preliminary treatement.

SELECT p.name "Patient",

count(t.patient) "Appointment for No. of Physicians"

FROM appointment t

JOIN patient p ON t.patient=p.ssn

GROUP BY p.name

HAVING count(t.patient)>=1;

1. Write a query in SQL to count number of unique patients who got an appointment for examination room C.

SELECT count(DISTINCT patient) AS "No. of patients got appointment for room C"

FROM appointment

WHERE examinationroom='C';

1. Write a query in SQL to find the name of the patients and the number of the room where they have to go for their treatment.

SELECT p.name AS "Patient",

a.examinationroom AS "Room No.",

a.start\_dt\_time AS "Date and Time of appointment"

FROM patient p

JOIN appointment a ON p.ssn=a.patient;

1. Write a query in SQL to find the name of the patients who taken the appointment on the 25th of April at 10 am, and also display their physician, assisting nurses and room no.

SELECT t.name AS "Name of the patient",

n.name AS "Name of the Nurse assisting the physician",

p.name AS "Name of the physician",

a.examinationroom AS "Room No.",

a.start\_dt\_time

FROM patient t

JOIN appointment a ON a.patient=t.ssn

JOIN nurse n ON a.prepnurse=n.employeeid

JOIN physician p ON a.physician=p.employeeid

WHERE start\_dt\_time='2008-04-25 10:00:00';

1. Write a query in SQL to find the name of patients and their physicians who does not require any assistance of a nurse.

SELECT t.name AS "Name of the patient",

p.name AS "Name of the physician",

a.examinationroom AS "Room No."

FROM patient t

JOIN appointment a ON a.patient=t.ssn

JOIN physician p ON a.physician=p.employeeid

WHERE a.prepnurse IS NULL;

1. Write a query in SQL to find the name of the patients, their treating physicians and medication.

SELECT t.name AS "Patient",

p.name AS "Physician",

m.name AS "Medication"

FROM patient t

JOIN prescribes s ON s.patient=t.ssn

JOIN physician p ON s.physician=p.employeeid

JOIN medication m ON s.medication=m.code;

1. Write a query in SQL to find the name of the patients who taken an advanced appointment, and also display their physicians and medication.

SELECT t.name AS "Patient",

p.name AS "Physician",

m.name AS "Medication"

FROM patient t

JOIN prescribes s ON s.patient=t.ssn

JOIN physician p ON s.physician=p.employeeid

JOIN medication m ON s.medication=m.code

WHERE s.appointment IS NOT NULL;

1. Write a query in SQL to find the name and medication for those patients who did not take any appointment.

SELECT t.name AS "Patient",

p.name AS "Physician",

m.name AS "Medication"

FROM patient t

JOIN prescribes s ON s.patient=t.ssn

JOIN physician p ON s.physician=p.employeeid

JOIN medication m ON s.medication=m.code

WHERE s.appointment IS NULL;

1. Write a query in SQL to obtain the name of the patients, their block, floor, and room number where they are admitted.

SELECT p.name AS "Patient",

s.room AS "Room",

r.blockfloor AS "Floor",

r.blockcode AS "Block"

FROM stay s

JOIN patient p ON s.patient=p.ssn

JOIN room r ON s.room=r.roomnumber;

1. Write a query in SQL to obtain the nurses and the block where they are booked for attending the patients on call.

SELECT n.name AS "Nurse",

o.blockcode AS "Block"

FROM nurse n

JOIN on\_call o ON o.nurse=n.employeeid;

1. Write a query in SQL to make a report which will show - a) name of the patient, b) name of the physician who is treating him or her, c) name of the nurse who is attending him or her, d) which treatement is going on to the patient, e) the date of release, f) in which room the patient has admitted and which floor and block the room belongs to respectively.

SELECT p.name AS "Patient",

y.name AS "Physician",

n.name AS "Nurse",

u.date AS "Date of release",

r.roomnumber AS "Room",

r.blockfloor AS "Floor",

r.blockcode AS "Block"

FROM undergoes u

JOIN patient p ON u.patient=p.ssn

JOIN physician y ON u.physician=y.employeeid

LEFT JOIN nurse n ON u.assistingnurse=n.employeeid

JOIN stay s ON u.stay=s.stayid

JOIN room r ON s.room=r.roomnumber;

1. Write a query in SQL to obtain the names of all the nurses who have ever been on call for room 122.

SELECT n.name

FROM nurse n

WHERE employeeid IN

( SELECT oc.nurse

FROM on\_call oc,

room r

WHERE oc.blockfloor = r.blockfloor

AND oc.blockcode = r.blockcode

AND r.roomnumber = 122 );

1. Write a query in SQL to Obtain the names of all patients who has been prescribed some medication by his/her physician who has carried out primary care and the name of that physician.

SELECT pt.name AS "Ptient",

p.name AS "Physician"

FROM patient pt

JOIN prescribes pr ON pr.patient=pt.ssn

JOIN physician p ON pt.pcp=p.employeeid

WHERE pt.pcp=pr.physician

AND pt.pcp=p.employeeid;