SQL DATARITHMUS

Environment setup

- Navigate to sandboxsql.com
- Click "New" button
- 3. Choose "Hospital Template"
- 4. Enter an name and click ok

Questions

- 1. Which SQL statement is used to modify existing data in a table?
 - A) MODIFY
 - B) UPDATE
 - C) CHANGE
 - D) ALTER
- 2. What keyword is used to sort the result set in SQL?
 - A) SORT BY
 - B) ORDER BY
 - C) GROUP BY
 - D) FILTER BY
- 3. Question: Write a query to select the names and insurance ids of all patients in the SELECT Name, InsuranceID Patient table. FROM Patient;
- Question: How would you retrieve the details of doctors from the Physician table SELECT * whose position is 'Surgical Attending Physician'? FROM Physician

WHERE Position = 'Surgical Attending Physician'; 5. Question: Write a query to find the total number of patients in the Patient table.

SELECT COUNT(*) AS Total_Patients

FROM Patient:

M.Name AS Medication_press.

FROM Prescribes Pr
JOIN Patient Pa ON Pr.PatientID = Pa.PatientID

TOIN Medication M ON Pr.MedicationID = M.Cod

Question: What is the primary affiliated physician for each department Hint: use following tables: Physician, Department, Affiliated_With?

Department_Name,
P.Name AS Primary_Physician
FROM Department D JOIN Affiliated With A ON D.DepartmentID = A.DepartmentID JOIN Physician P ON A.PhysicianID = 7. Question: How many patients are assigned to each physician in the Appointment Merit A. Primary Affiliation = 'true';

SELECT D.Name AS

- SELECT PhysicianID, COUNT(PatientID) AS Total_Patients table? FROM Appointment GROUP BY PhysicianID;
- 8. Question: Write a query to list all appointments along with the names of the patients and their doctors.
- 9. Question: Write a query to find the names of patients who have more than one appointment.
- 10. Question: How would you find the name of the patient and the medication name that is given to them? Hint: use Patient, Prescribes, Medication tables.

8. // SELECT A.AppointmentID, Pa.Name AS Patient_Name, Ph.Name AS Physician_Name,
A.StartDate
FROM Appointment A JOIN Patient Pa ON A.PatientID = Pa.PatientID
JOIN Physician Ph ON A.PhysicianID = Ph.PhysicianID;

10 // SELECT Pa.Name AS Patient_Name, M.Name AS Medication_Name FROM Prescribes Pr JOIN Patient Pa ON Pr.PatientID = Pa.PatientID JOIN Medication M ON Pr.MedicationID = M.Code: