Task 03

Patients (patient_id ,first_name,last_name,date_of_birth,gender,address,phone_number)

Doctors (doctor_id ,first_name,last_name,specialization,phone_number)

Appointments(appointment_id , patient_id,doctor_id ,appointment_date,appointment_time)

Medical_Records (record_id,patient_id ,doctor_id,diagnosis,treatment,record_date)

Write Queries:

1. Retrieve a list of all appointments, including the patient's and doctor's names.
2. Retrieve the medical records of patients with their names and the diagnosing doctor's name.
3. Find patients who have not made any appointments.
4. Retrieve a list of patients who have appointments scheduled for a specific date, including the appointment details and the doctor's name. [2023-09-06]
5. Retrieve a list of patients who have appointments with doctors having the same specialization as their diagnosis
6. List all distinct doctors and patients (by name) who have either made appointments or have medical records in the database.
7. Find doctors who have the same specialization as another doctor and list their names along with the common specialization.
8. List all patients who have medical records and have been diagnosed with "Hypertension," ordered alphabetically by their last names.

Task 04

1. Find the total number of appointments for each doctor.
2. Retrieve a list of doctors and their specializations, along with the number of patients they have seen.
3. Find the average age of patients who have visited each doctor.
4. Find patients who have the same diagnosis from the same doctor and list their names along with the common diagnosis.
5. Retrieve the top 5 doctors with the highest number of appointments
6. Find the total number of appointments for each patient who has had more than 3 appointments, and list them in ascending order of appointment count.
7. Retrieve the list of doctors who have seen at least 10 different patients, ordered by the number of different patients seen in descending order.