
Lab Sheet 06

Consider the following schema from the previous lab sheet.

1. Physician (eid, ename, position)
2. Department (did, name, head)

Foreign key (head) references Physician (eid)

3. Works_in (physician, department)

Foreign key (physician) references Physician (eid)

Foreign key (department) references Department (did)

4. Patient (pid, name, address, phone, insuranceId)
5. Appointments (appointmentId, patient, physician, startTime, endTime, room)

Foreign key (physician) references Physician (eid)

Foreign key (patient) references Patient (pid)

6. Drugs (Code, name, brand)
7. Prescribes (physician, patient, drug, date, appointment, dose)

Foreign key (physician) references Physician (eid)

Foreign key (patient) references Patient (pid)

Foreign key (drug) references Drugs (Code)

Answer the following questions with reference to the schema below. Use the given data set and check the correctness of your answers in the SQL Server.

1. Create a view which shows time periods during which rooms are having appointments. Display the room number and the period (start time, end time)

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2. Create a view which shows a physician name, position, department name and the number of appointments for each physician.

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3. Create a trigger that ensures that a doctor cannot have more than 3 appointments per a day. Add more sample data and check whether the trigger works as expected.

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4. Create a trigger to ensure that the same drug is not prescribed to the same patient more than two times. Add more sample data and check whether the trigger works as intended.

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