

دانشگاه اصفهان دانشکده مهندسی کامپیوتر

گزارش پروژه اول پایگاه داده

Hospital

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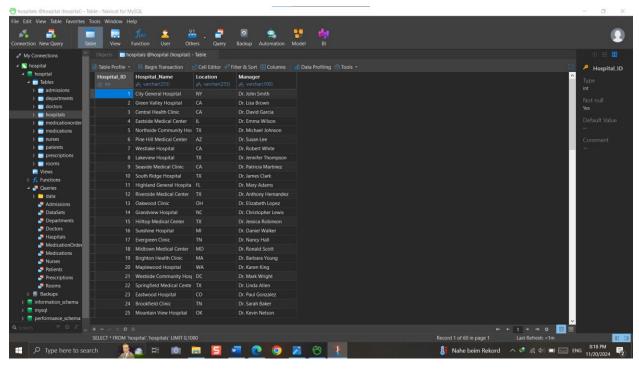
دانشجویان کار شناسی، دانشکدهی کامپیوتر، دانشگاه اصفهان، اصفهان،

استاد درس: سركار خانم دكتر عاشورى نيمسال اول تحصيلي 04-1403

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مستندات جداول



CREATE TABLE Hospitals (

Hospital_ID INT PRIMARY KEY,

Hospital_Name VARCHAR(255),

Location VARCHAR(255),

Manager VARCHAR(100)

);

CREATE TABLE Departments (

Department ID INT PRIMARY KEY,

Hospital_ID INT,

Department_Name VARCHAR(255),

Create_Year DATE,

Budget INT,

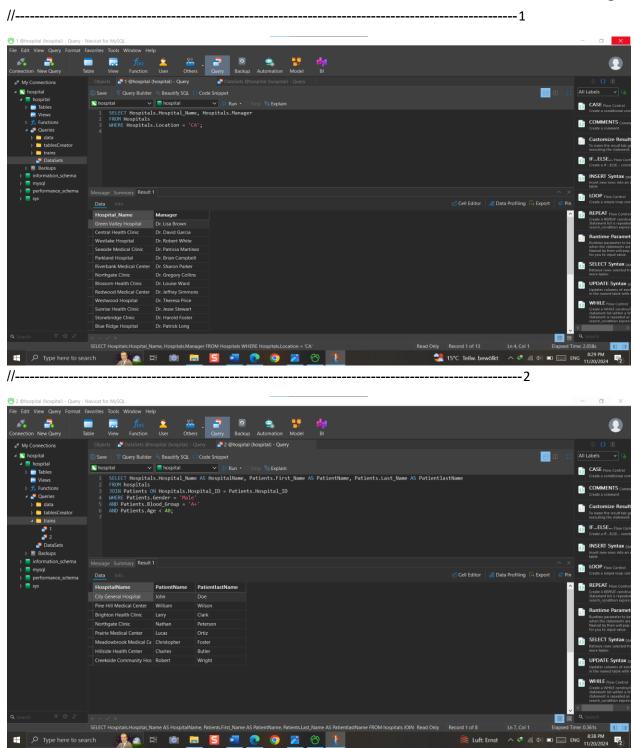
FOREIGN KEY (Hospital ID) REFERENCES Hospitals(Hospital ID)

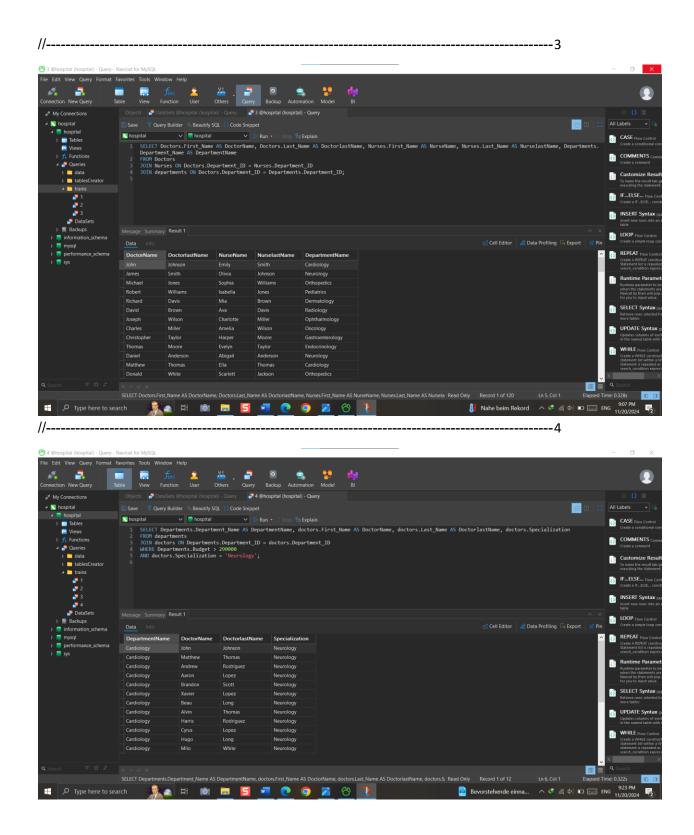
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);
CREATE TABLE Patients (
  Patient ID INT PRIMARY KEY,
  Hospital ID INT,
  First Name VARCHAR(255),
  Last_Name VARCHAR(255),
  Gender VARCHAR(10),
  Birth_Date DATE,
  Address VARCHAR(255),
  Age INT,
  Phone_Number VARCHAR(15),
  Blood_Group VARCHAR(5),
  FOREIGN KEY (Hospital ID) REFERENCES Hospitals(Hospital ID)
);
CREATE TABLE Doctors (
  Doctor_ID INT PRIMARY KEY,
  Hospital_ID INT,
  Department_ID INT,
  First Name VARCHAR(255),
  Last_Name VARCHAR(255),
  Specialization VARCHAR(50),
  Age INT,
  Phone_Number VARCHAR(15),
  FOREIGN KEY (Hospital_ID) REFERENCES Hospitals(Hospital_ID),
  FOREIGN KEY (Department_ID) REFERENCES Departments(Department_ID)
);
```

```
CREATE TABLE Nurses (
  Nurse_ID INT PRIMARY KEY,
  Hospital ID INT,
  Department ID INT,
  First Name VARCHAR(255),
  Last Name VARCHAR(255),
  Phone_Number VARCHAR(15),
  FOREIGN KEY (Hospital_ID) REFERENCES Hospitals(Hospital_ID),
  FOREIGN KEY (Department_ID) REFERENCES Departments(Department_ID)
);
CREATE TABLE Rooms (
  Room ID INT PRIMARY KEY,
  Hospital ID INT,
  Room Number INT,
  Room Type VARCHAR(100),
  Is Full BOOLEAN,
  FOREIGN KEY (Hospital_ID) REFERENCES Hospitals(Hospital_ID)
);
CREATE TABLE Admissions (
  Admission ID INT PRIMARY KEY,
  Hospital_ID INT,
  Doctor ID INT,
  Patient_ID INT,
  Nurse_ID INT,
  Room_ID INT,
  Admission Date DATE,
  FOREIGN KEY (Hospital ID) REFERENCES Hospitals(Hospital ID),
  FOREIGN KEY (Doctor ID) REFERENCES Doctors(Doctor ID),
```

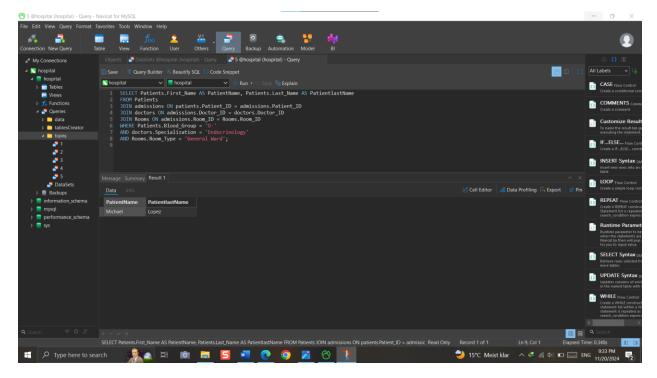
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FOREIGN KEY (Patient ID) REFERENCES Patients(Patient ID),
  FOREIGN KEY (Nurse_ID) REFERENCES Nurses(Nurse_ID),
  FOREIGN KEY (Room ID) REFERENCES Rooms(Room ID)
);
CREATE TABLE Prescriptions (
  Prescription ID INT PRIMARY KEY,
  Patient ID INT,
  Doctor_ID INT,
  Description TEXT,
  Date DATE,
  FOREIGN KEY (Patient_ID) REFERENCES Patients(Patient_ID),
  FOREIGN KEY (Doctor ID) REFERENCES Doctors(Doctor ID)
);
CREATE TABLE Medications (
  Medication ID INT PRIMARY KEY,
  Medication Name VARCHAR(100),
  Description TEXT,
  Dosage INT
);
CREATE TABLE MedicationOrders (
  Order ID INT PRIMARY KEY,
  Prescription_ID INT,
  Medication_ID INT,
  Quantity INT,
  Order Date DATE,
  FOREIGN KEY (Prescription ID) REFERENCES Prescriptions(Prescription ID),
  FOREIGN KEY (Medication ID) REFERENCES Medications(Medication ID) );
```

كوئرىها سوالات:

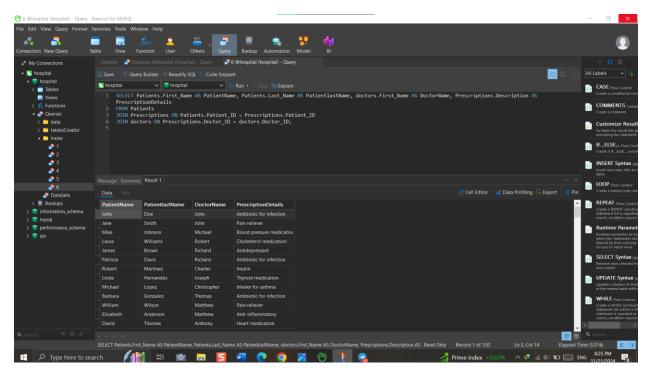




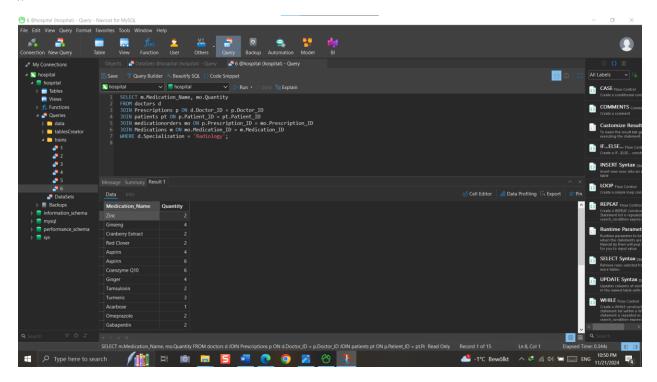
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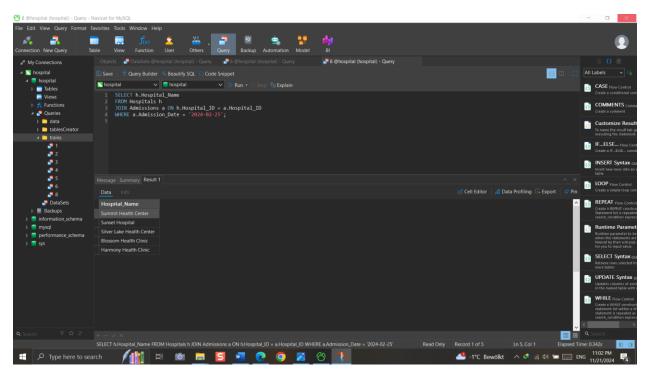
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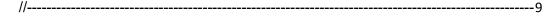


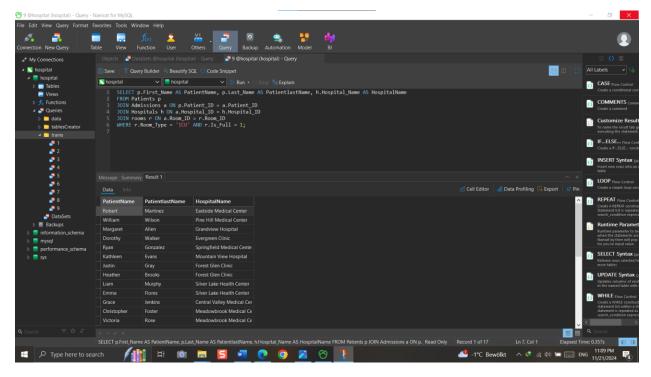
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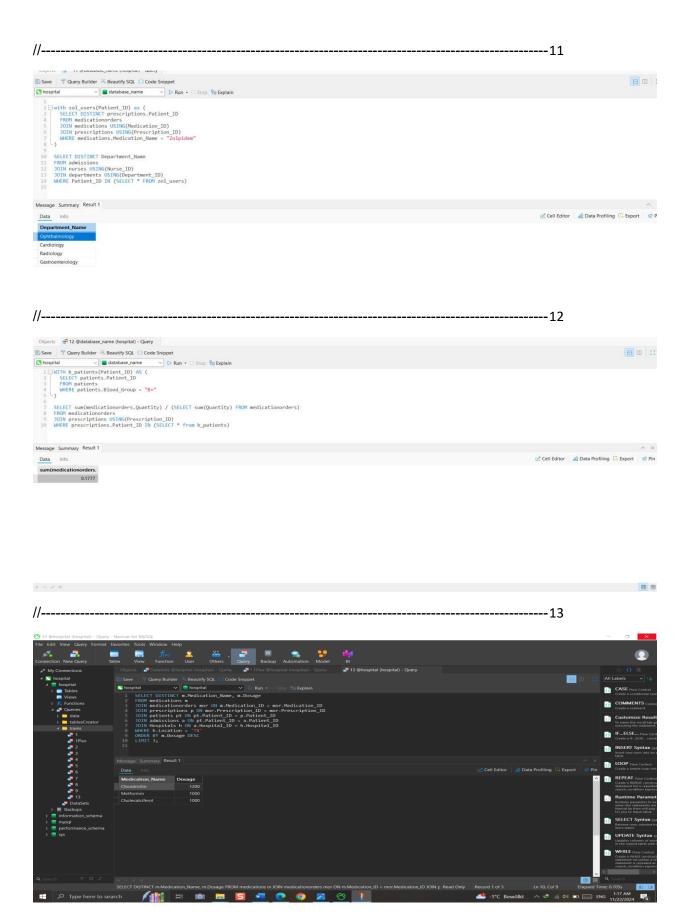


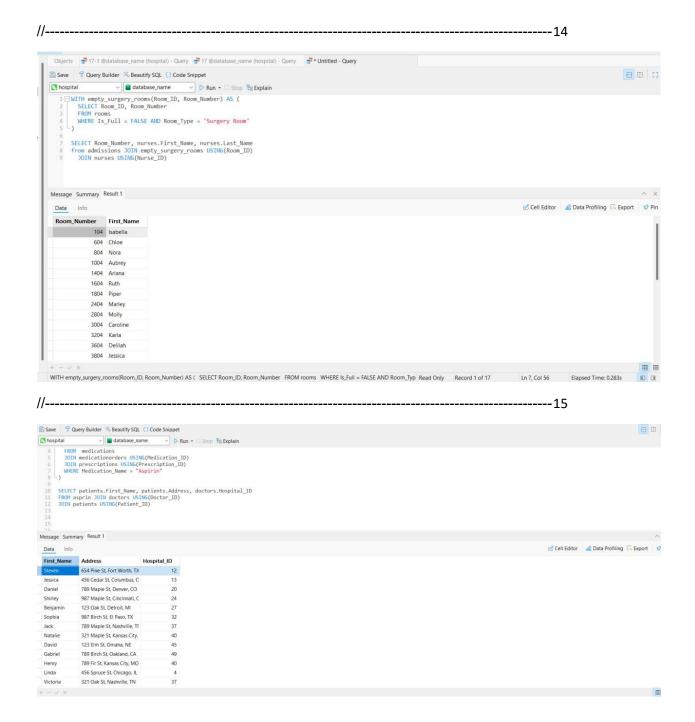


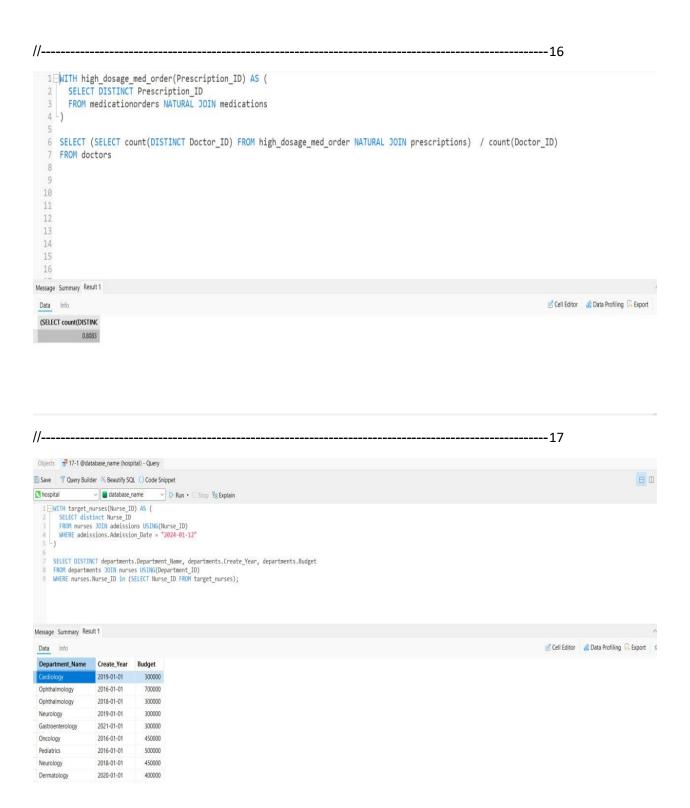


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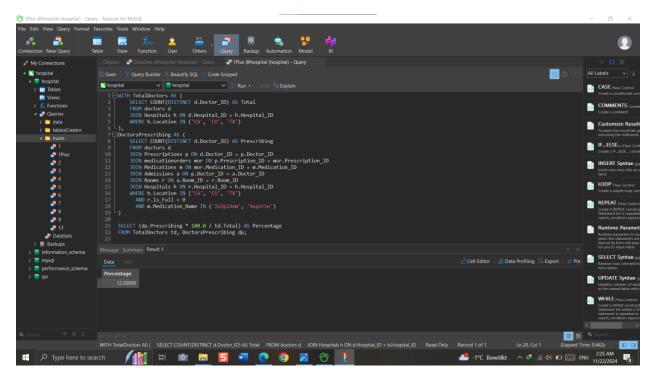




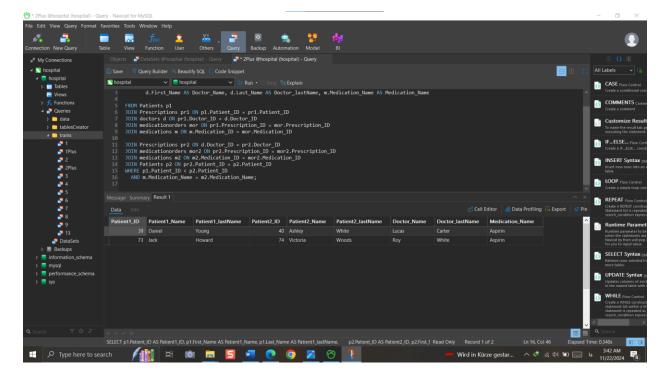


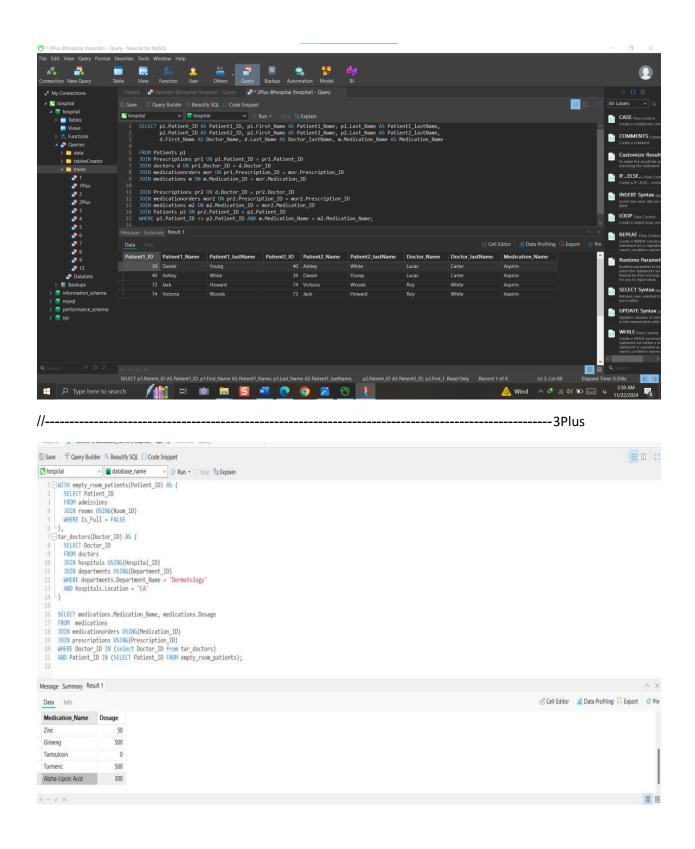
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