

**دانشگاه اصفهان**

**دانشکده مهندسی کامپیوتر**

گزارش پروژه اول پایگاه داده

**Hospital**

پدیدآورندگان:

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استاد درس: سرکار خانم دکترعاشوری

نیمسال اول تحصیلی 04-1403

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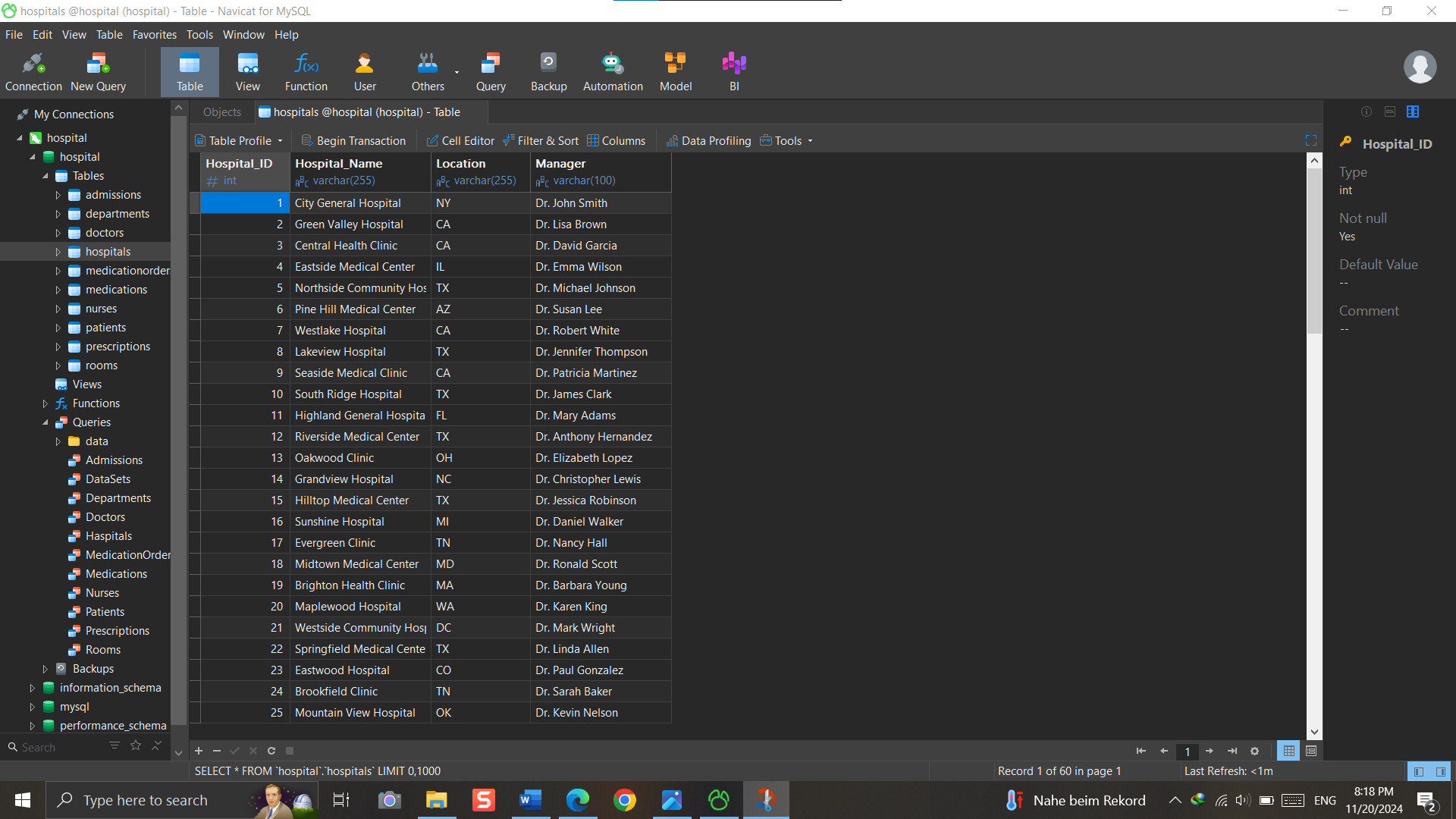
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# مستندات

## 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)

);

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),

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,

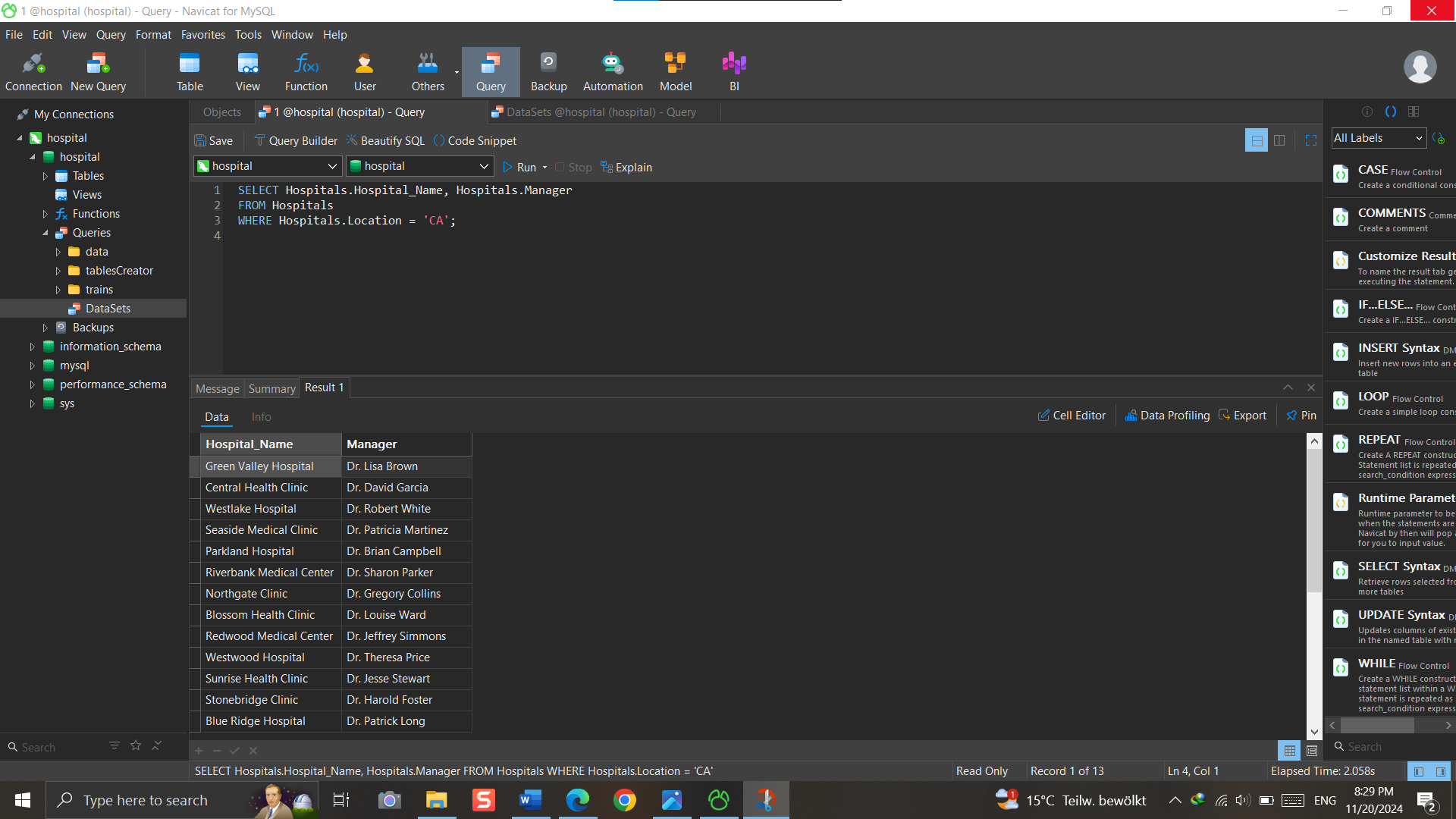
FOREIGN KEY (Prescription\_ID) REFERENCES Prescriptions(Prescription\_ID),

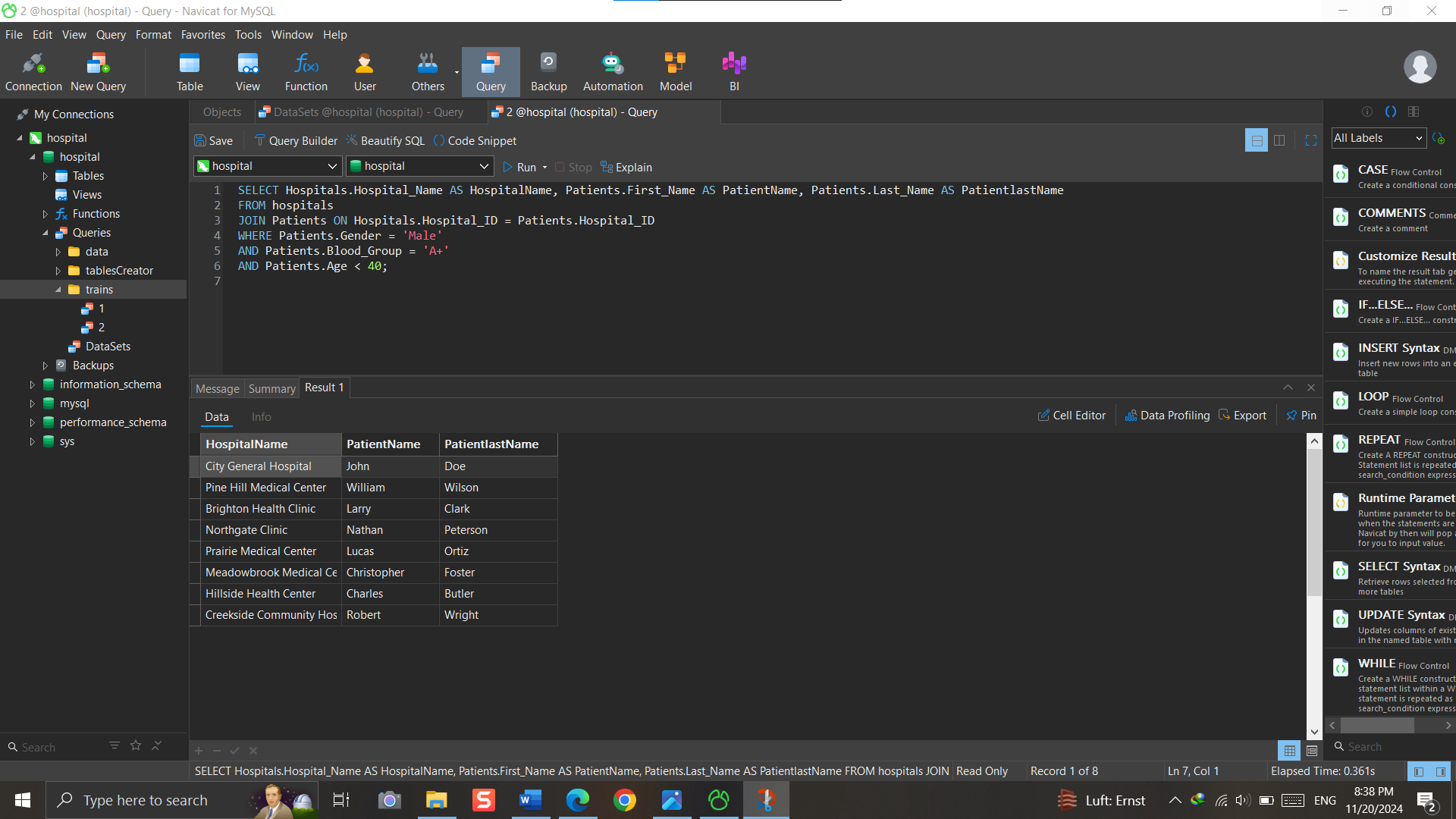
FOREIGN KEY (Medication\_ID) REFERENCES Medications(Medication\_ID) );

## کوئری‌ها

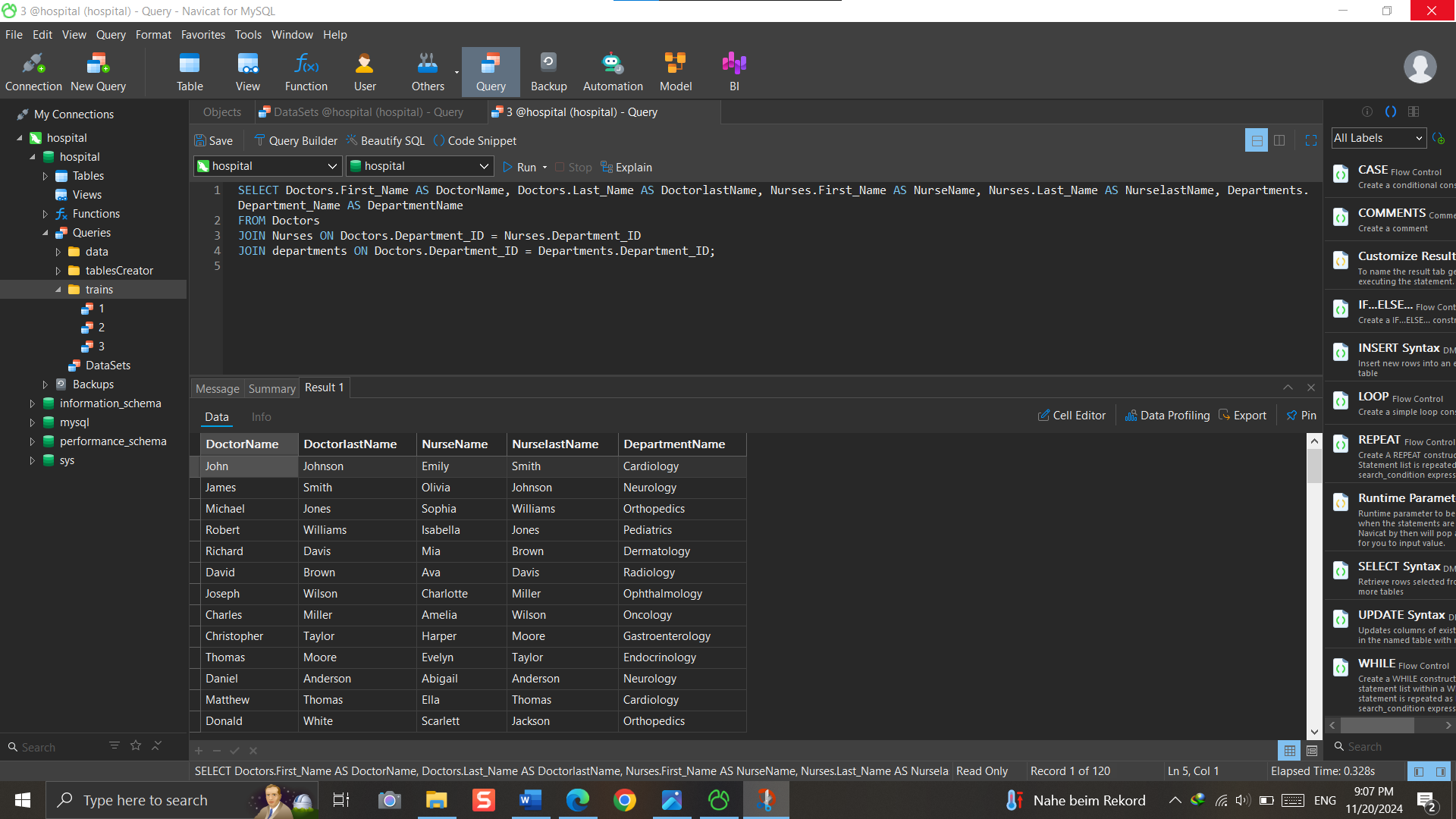
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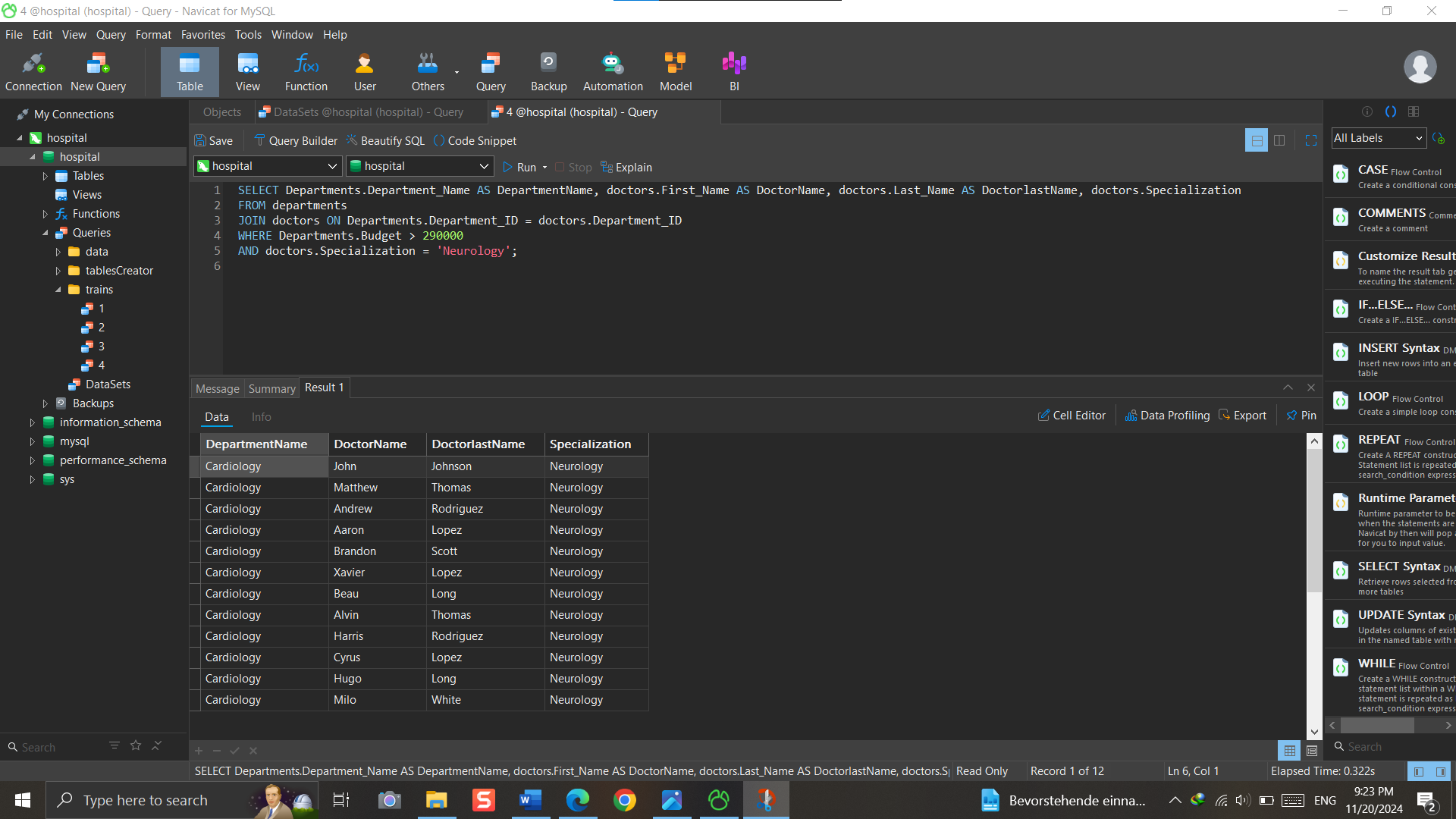
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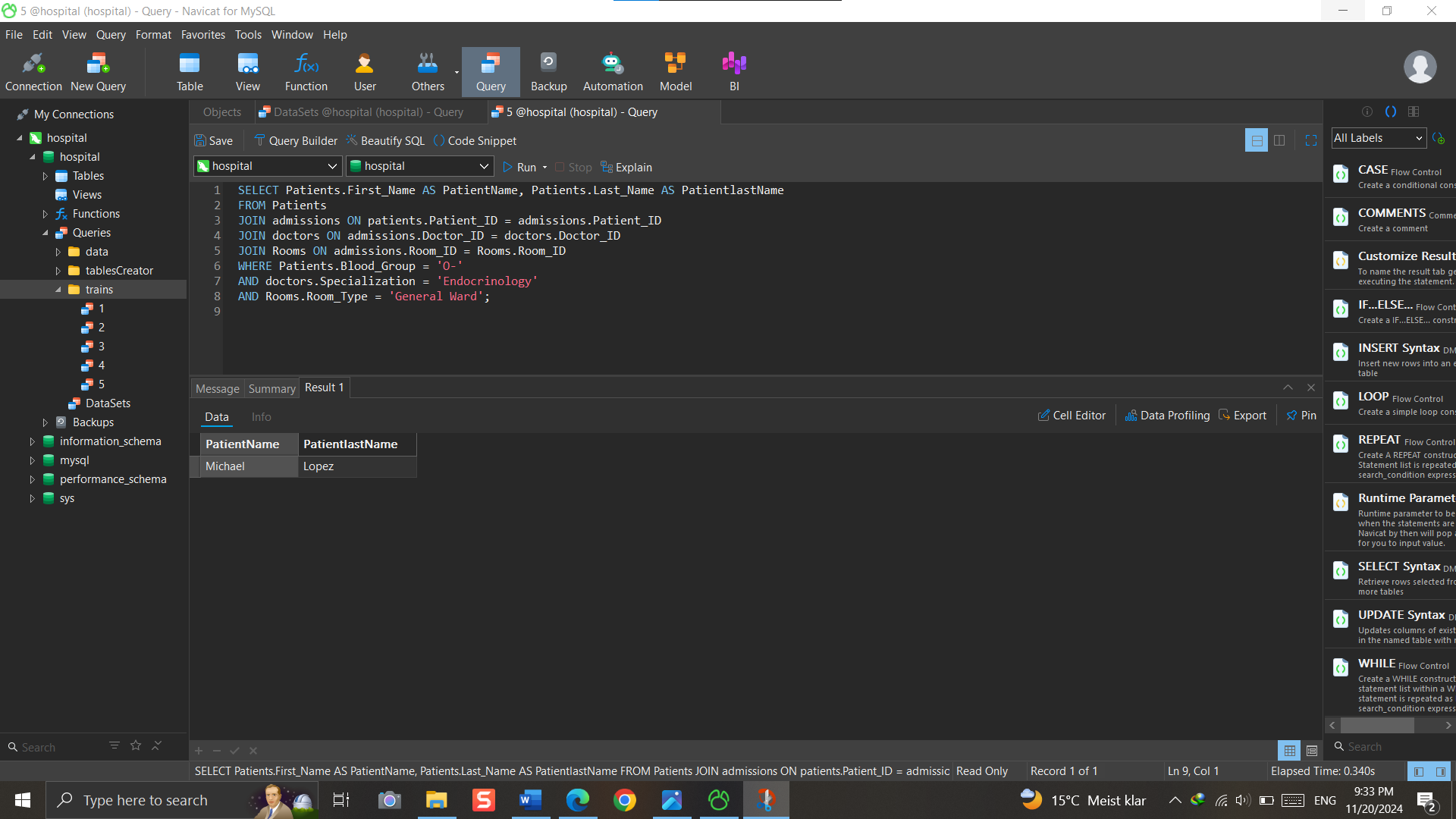


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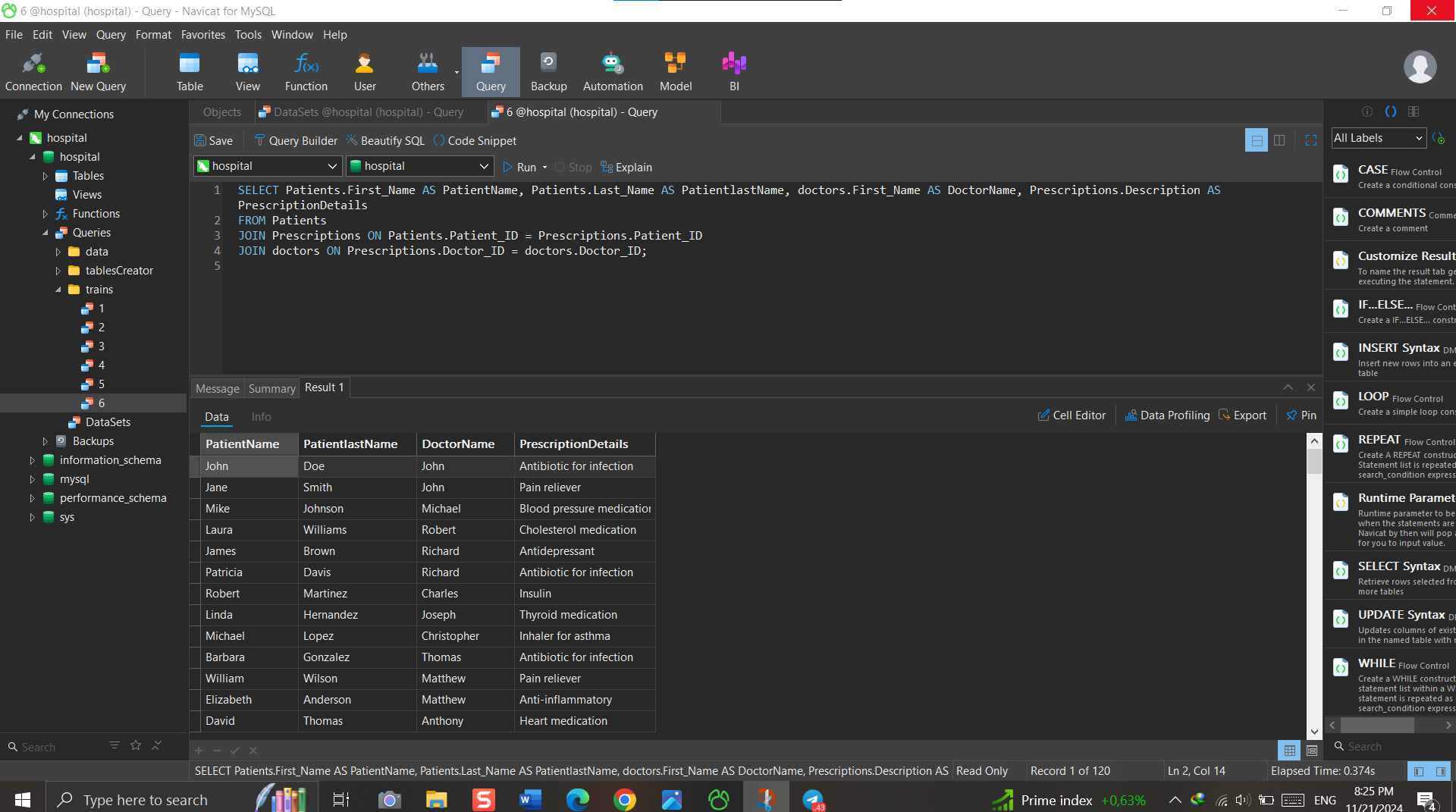
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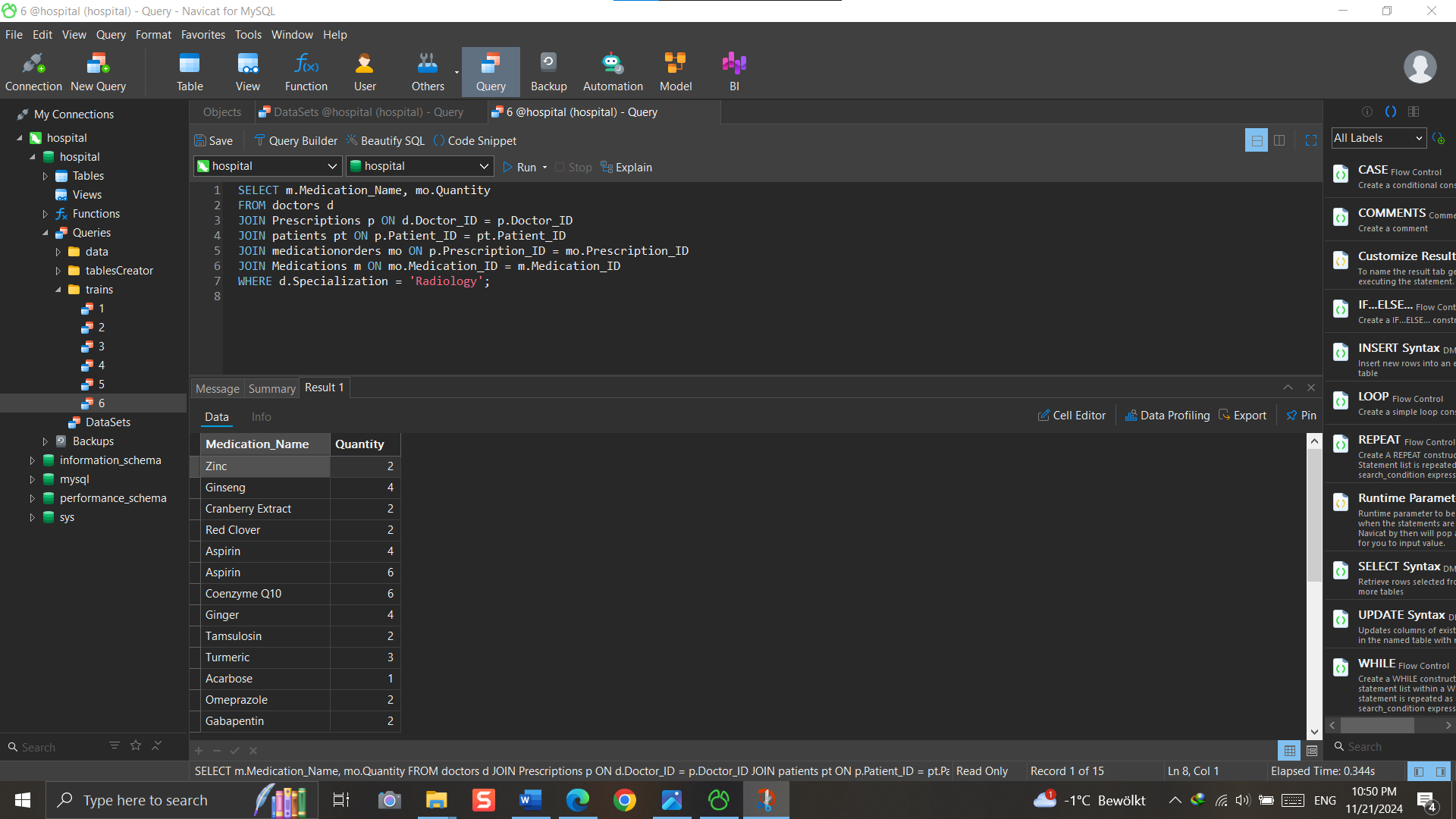
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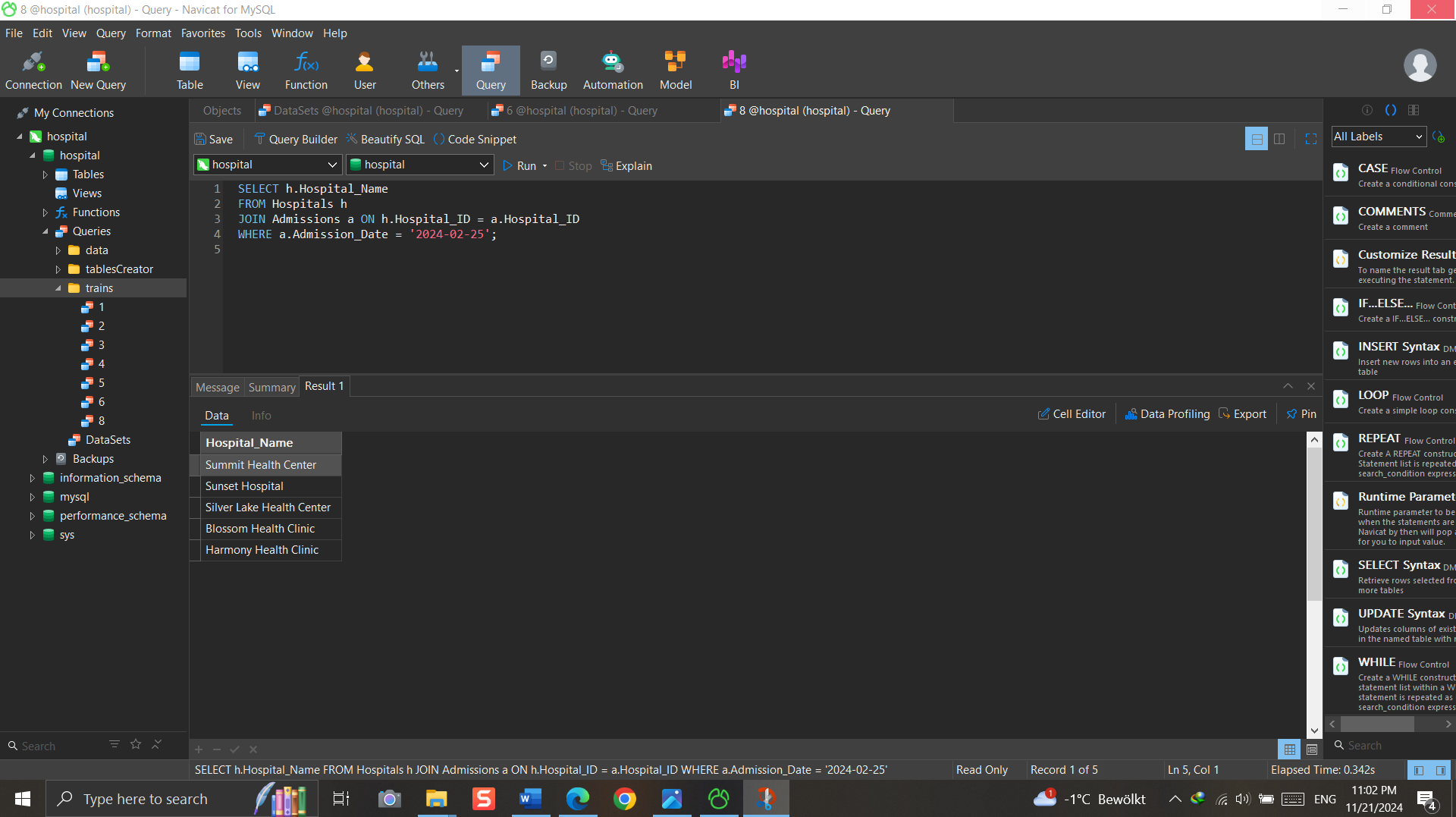
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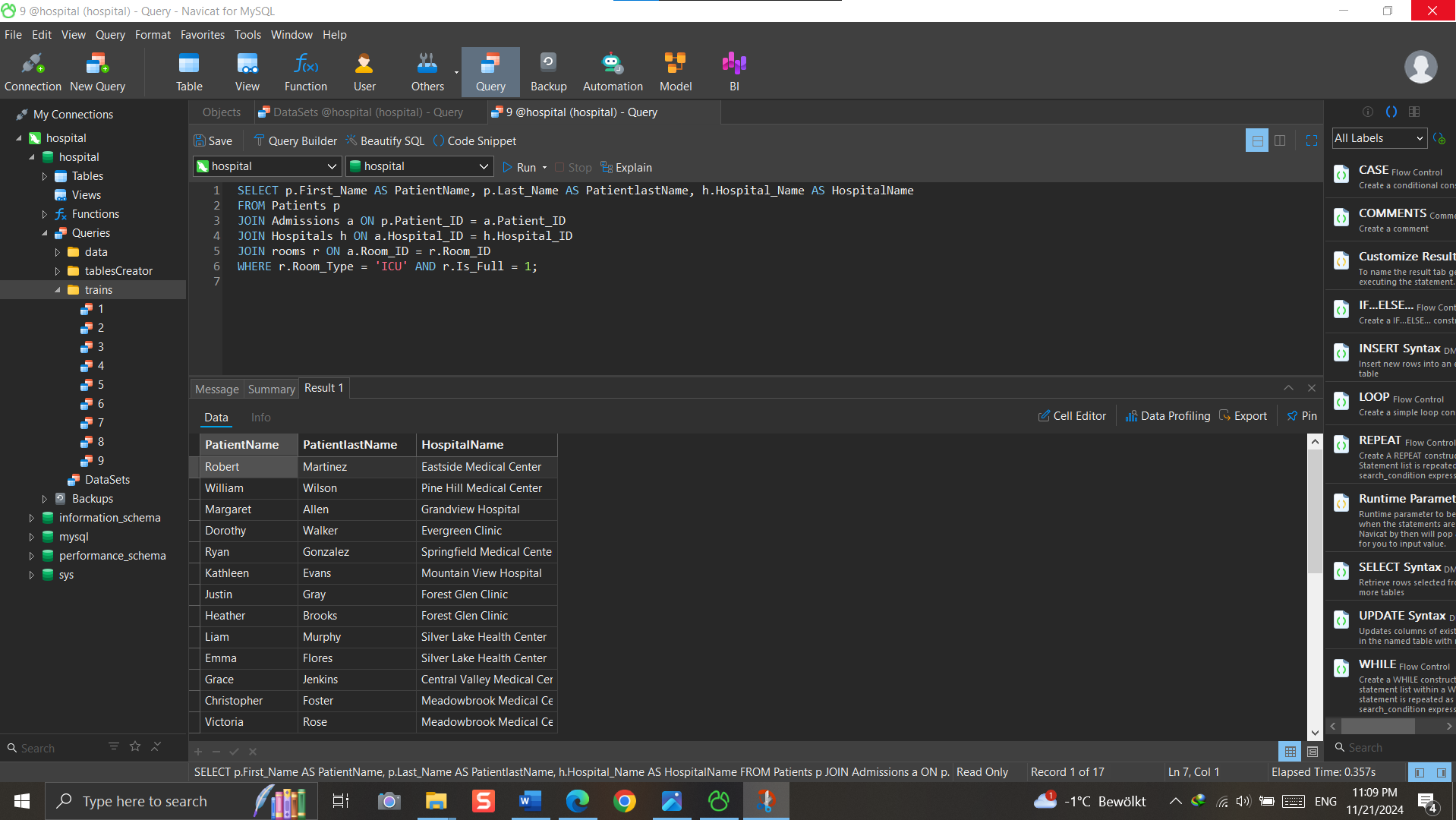
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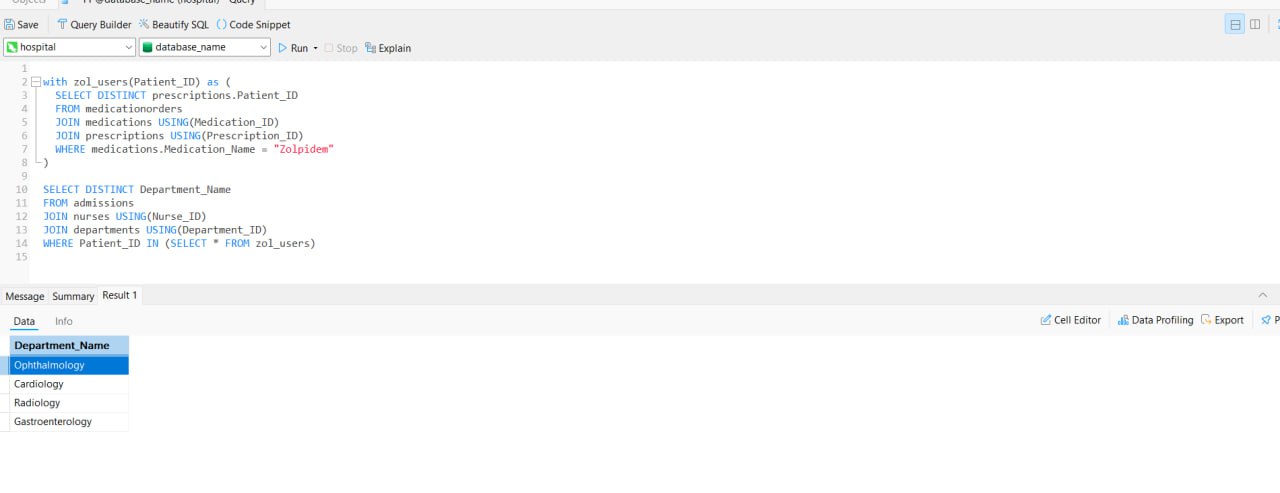
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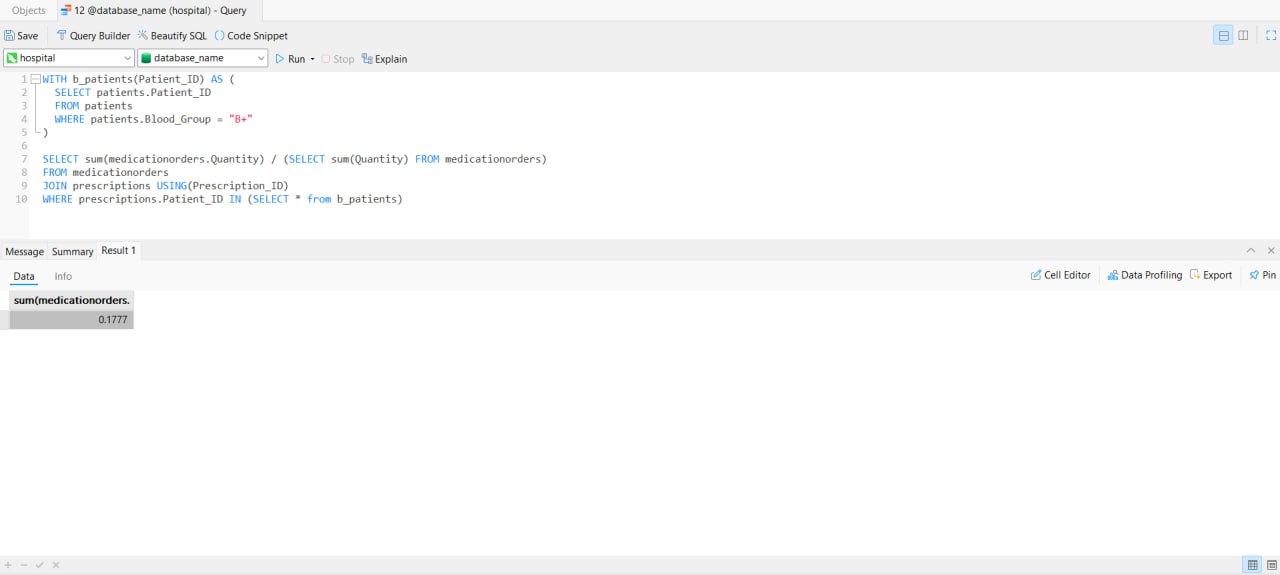
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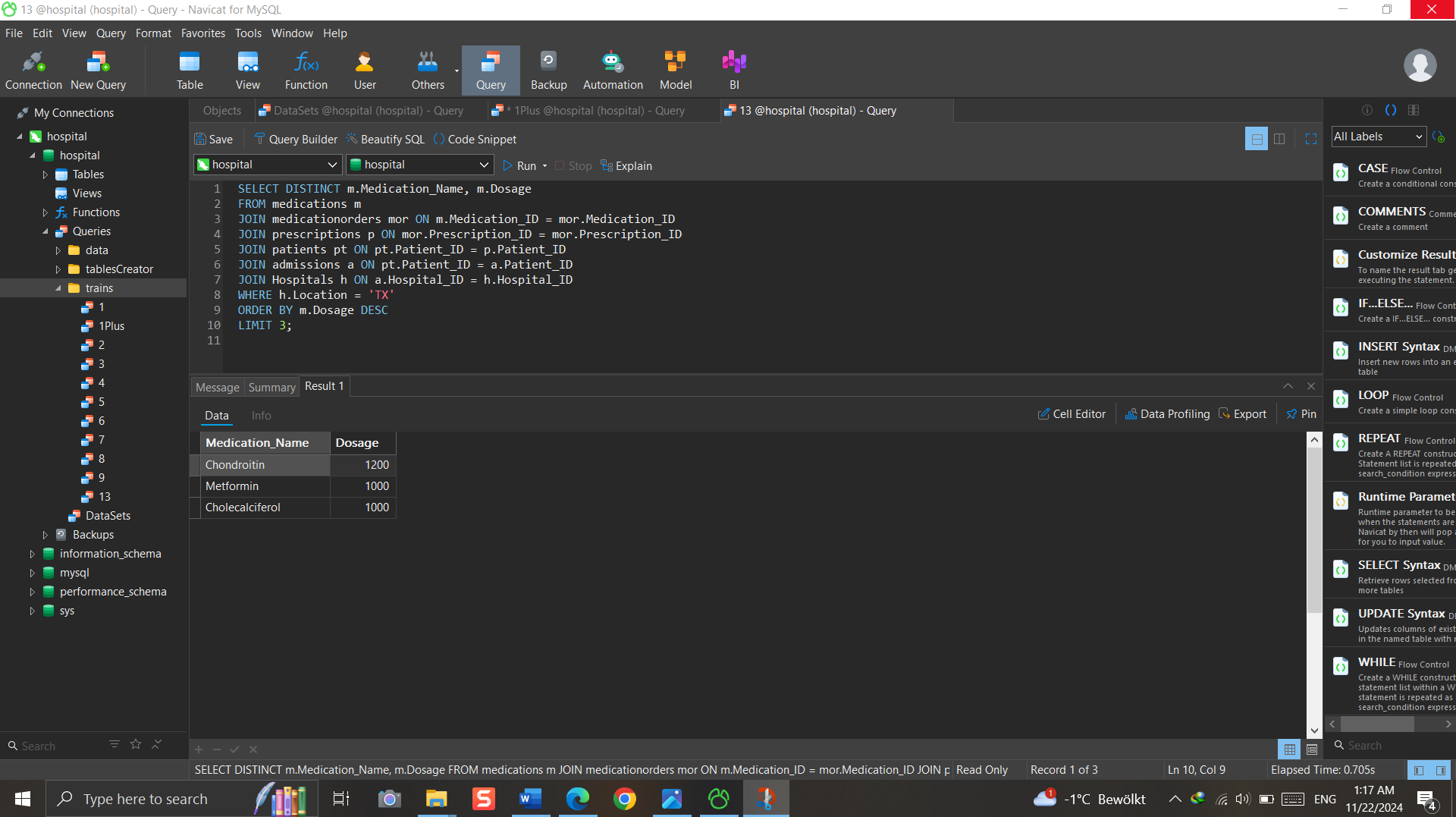
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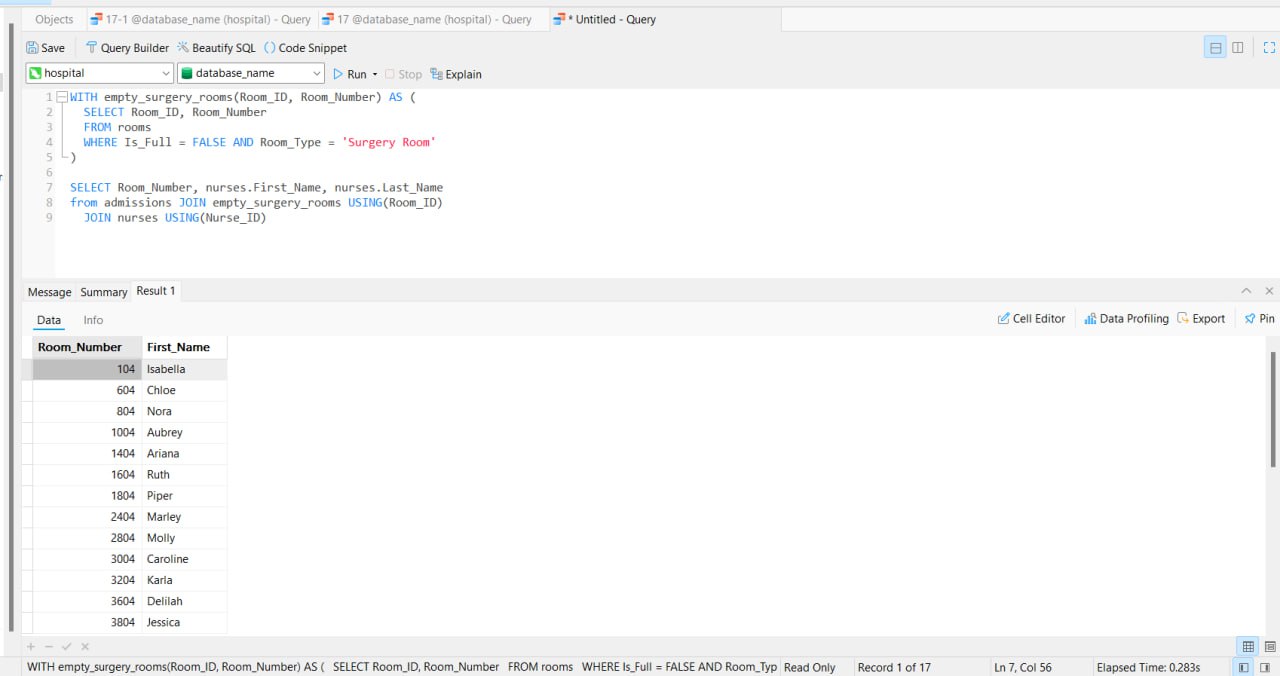
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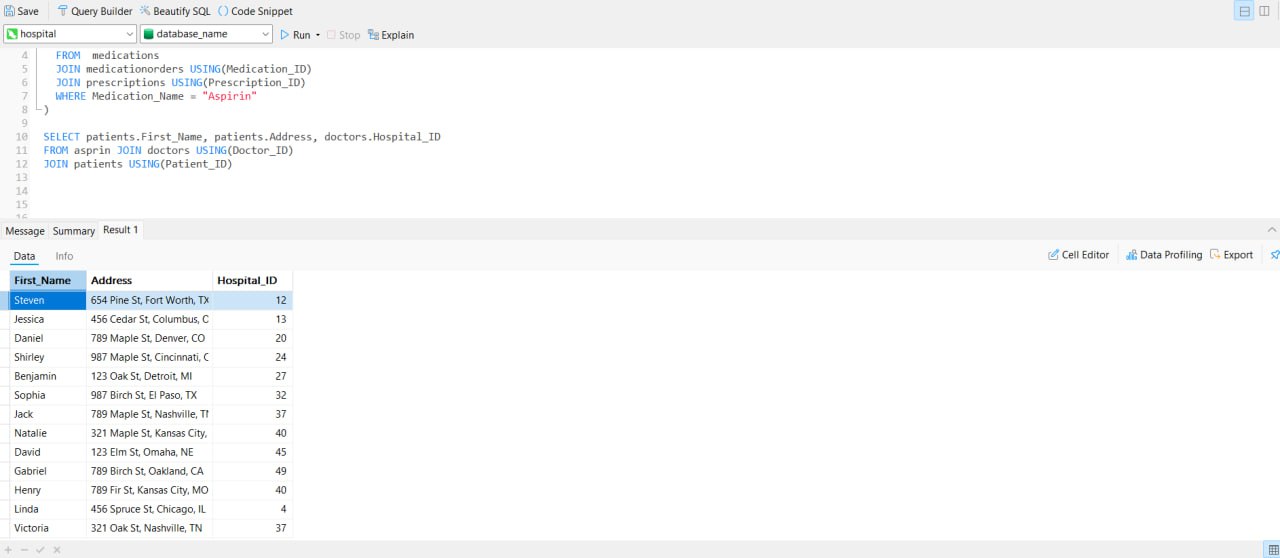
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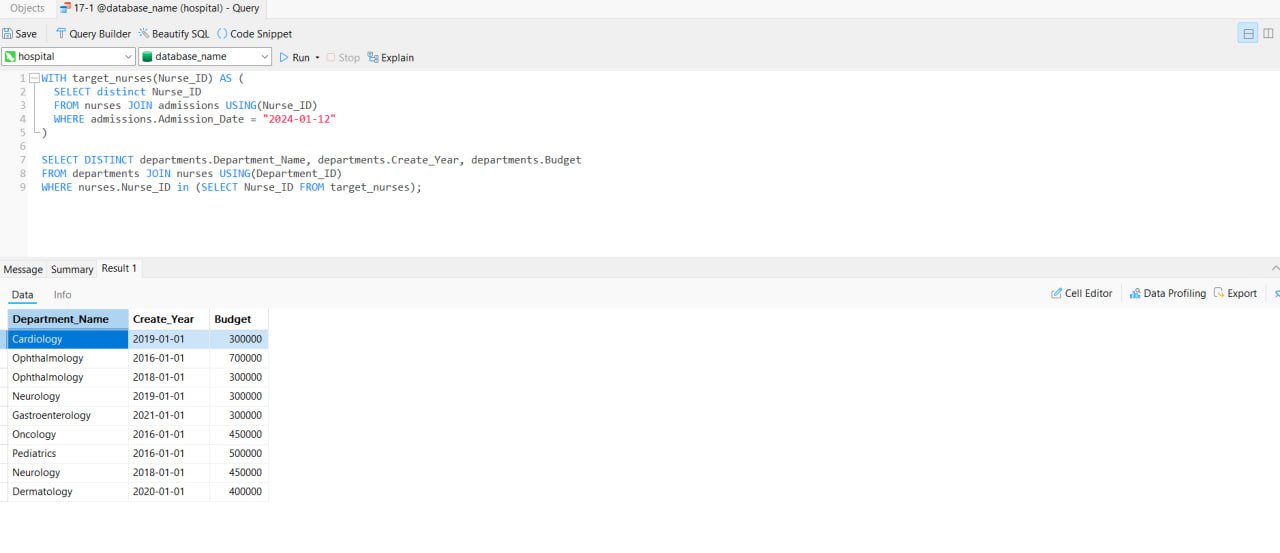
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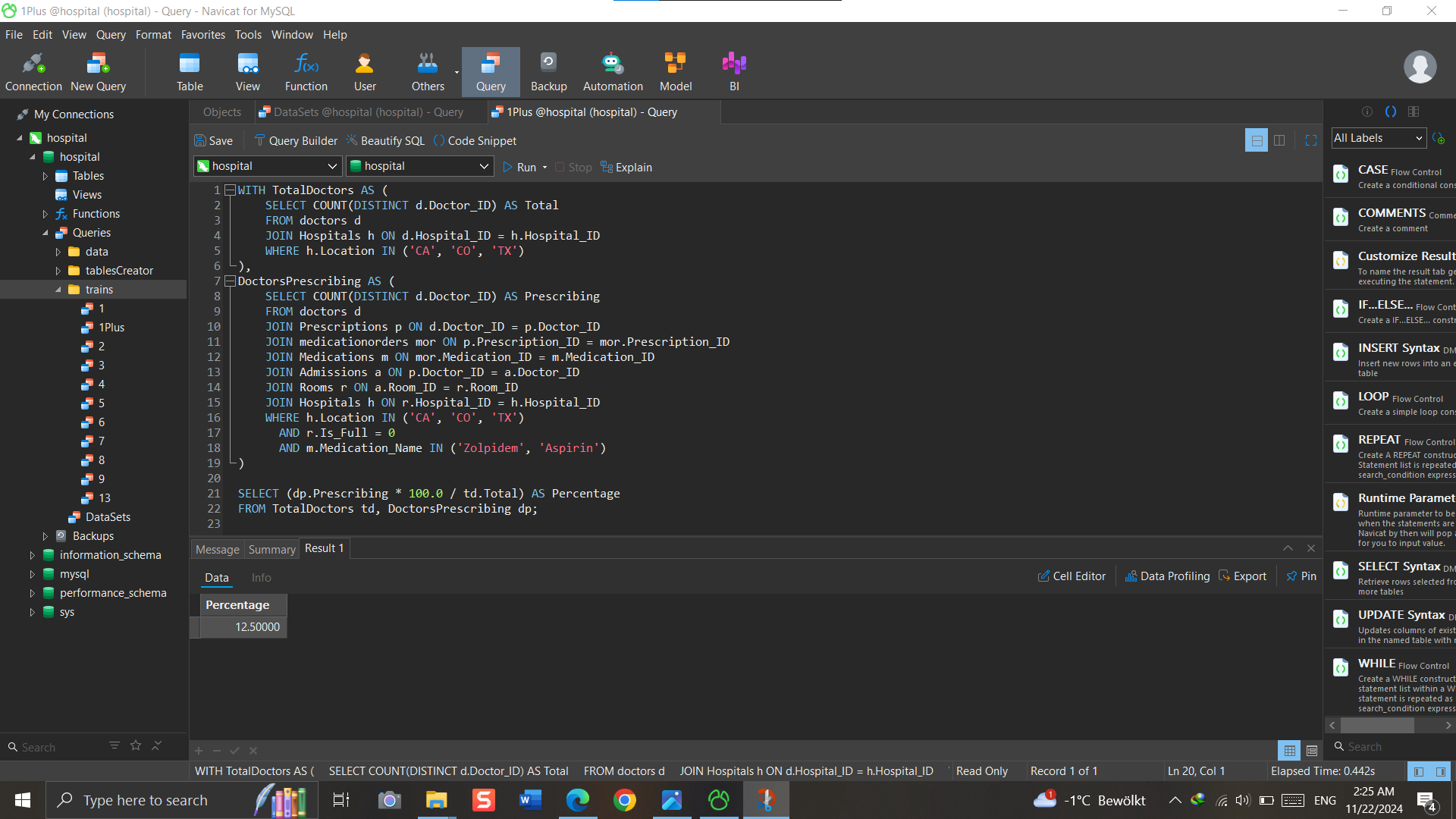


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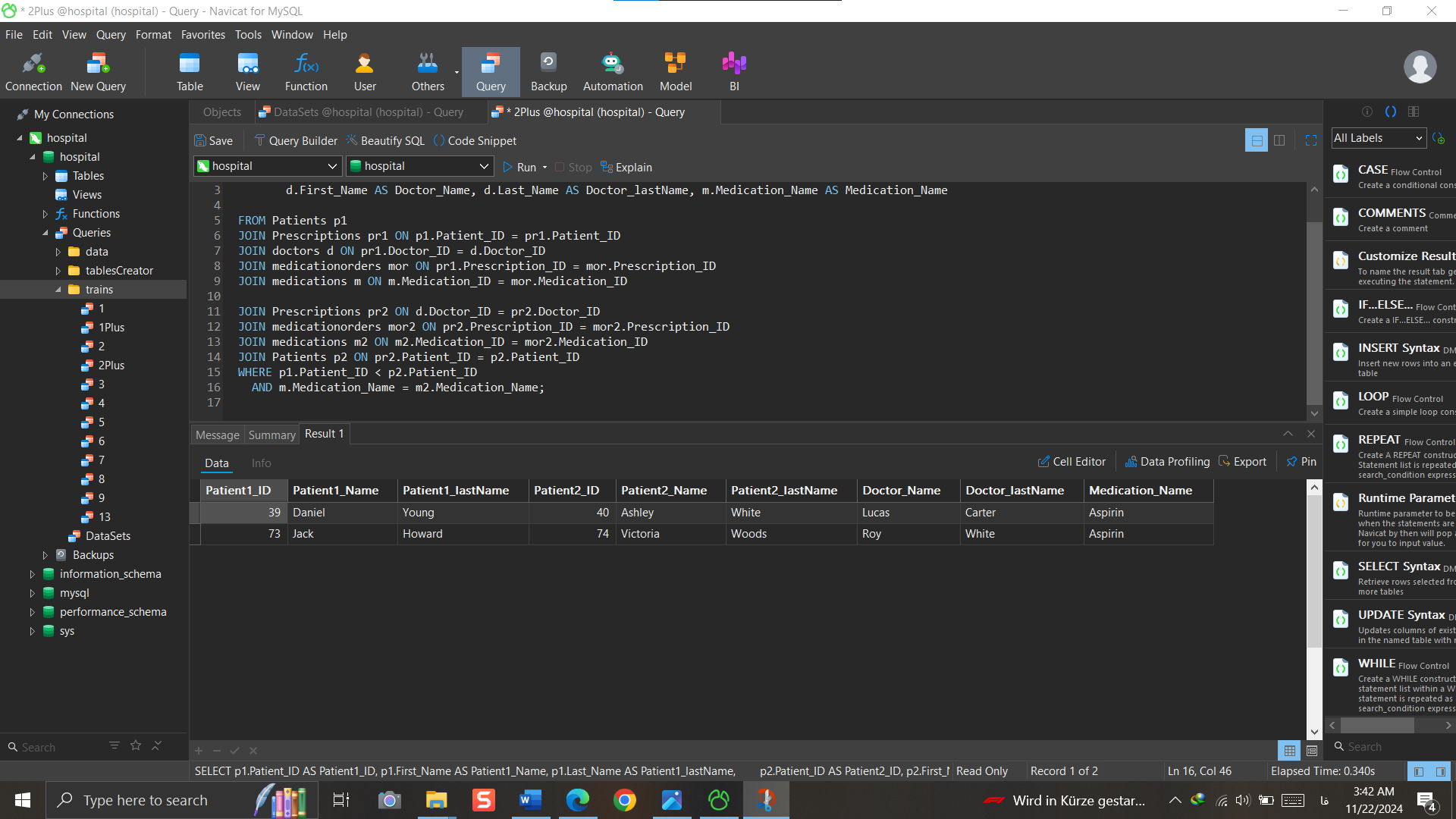


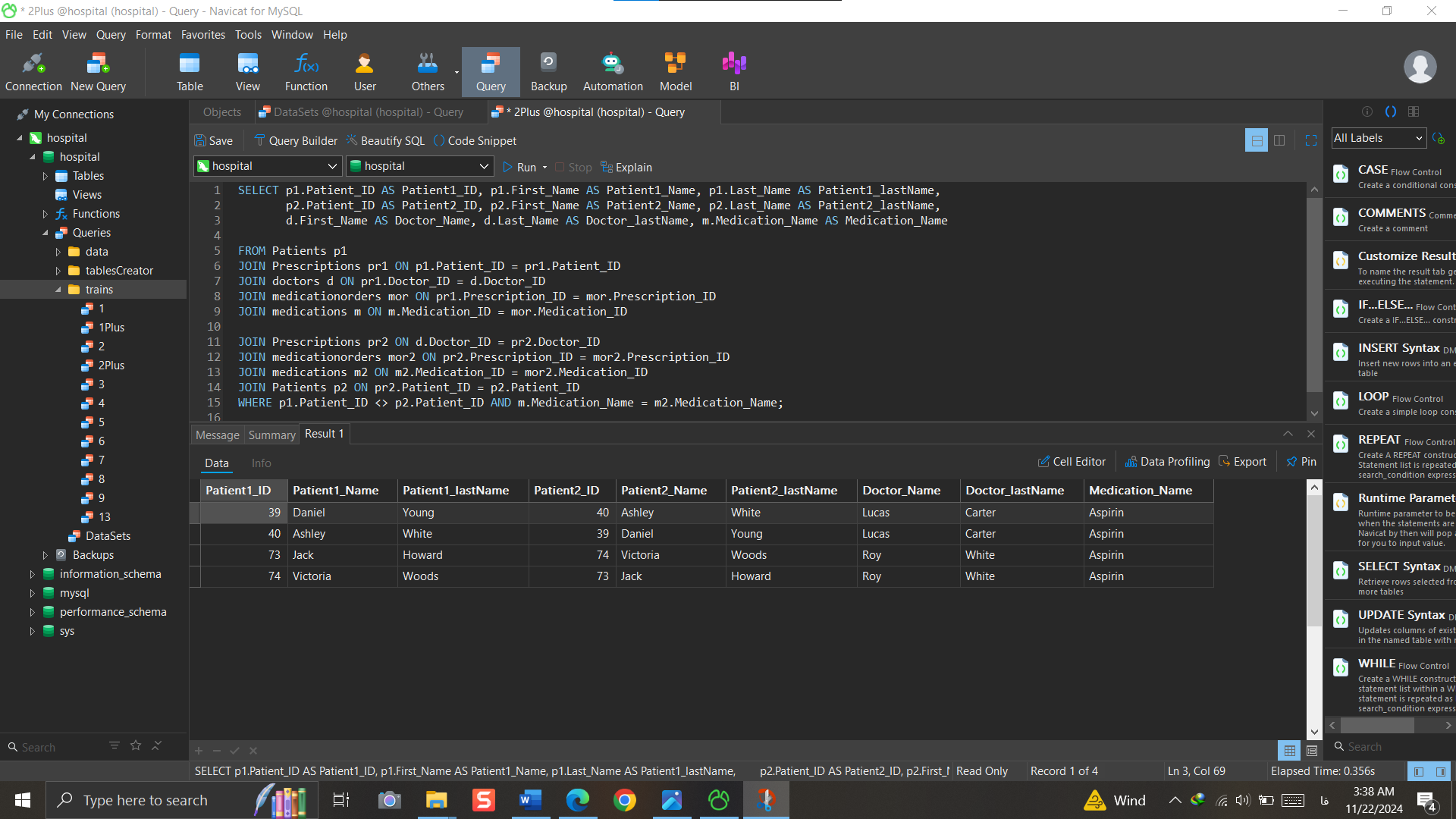
### امتیازی‌ها:

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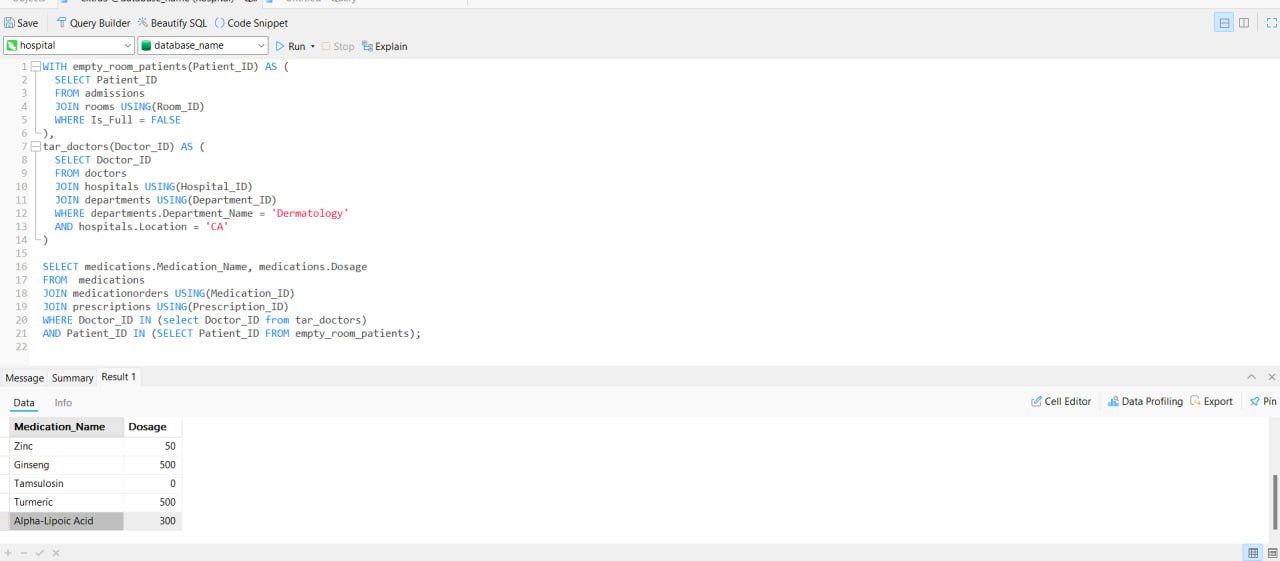


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