

Faculty of Management, Economic and Business Technology



Pharmacy Management System

Database System 2 Project IST207 Group 6

Supervised by Lecturer Assistant Reham Abdallah Doctor Ghada Nabil

Team Drop Database

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***** Requirement

- a) Orders are accepted by patients.
- b) Orders are made by patients.
- c) Insrance covers prescriptions.
- d) Bills contain details of orders.
- e) Inventory contains drugs.
- f) Patients receive prescriptions.
- g) Doctors read medical histories.
- h) Doctors prescribe drugs.
- i) Suppliers supply drugs.
- j) Drug companies manufacture drugs.

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***** Business Rules

Welcome in our pharmacy management system which its members are (Doctors, employee, patient, supplier)

The pharmacy management system has person each on has a unique number, first name, last name, phone, address, email which they are multi value attribute.

Person may be patients, doctor, supplier, or employee.

An employee accepts many orders that have attributes salary, performance, and Date of hiring the orders attribute's identity number, status, total price, and order date and order contain one bill.

Bill contains one order the bill has attributes identifier Id Payment _Method, Discounts, total amount.

Patient has attributes medical history patient make one order and order made by many patients.

Patients receive many Prescriptions and that have attributes identifier P_ID, SSN, P_Date.

Prescriptions read by many doctors and doctors attributes are salary, specialization, and doctor read one Prescriptions.

Doctors describe many drugs which its items are identifier Drug_ID unit_price, Expiry date, description, Drugname. And drugs are being described by many doctors.

Drugs supplied by many suppliers and suppliers has product offering.

Also, supplier supply many drugs, and inventory identifier InventoryID, Quantity, Expiry date.

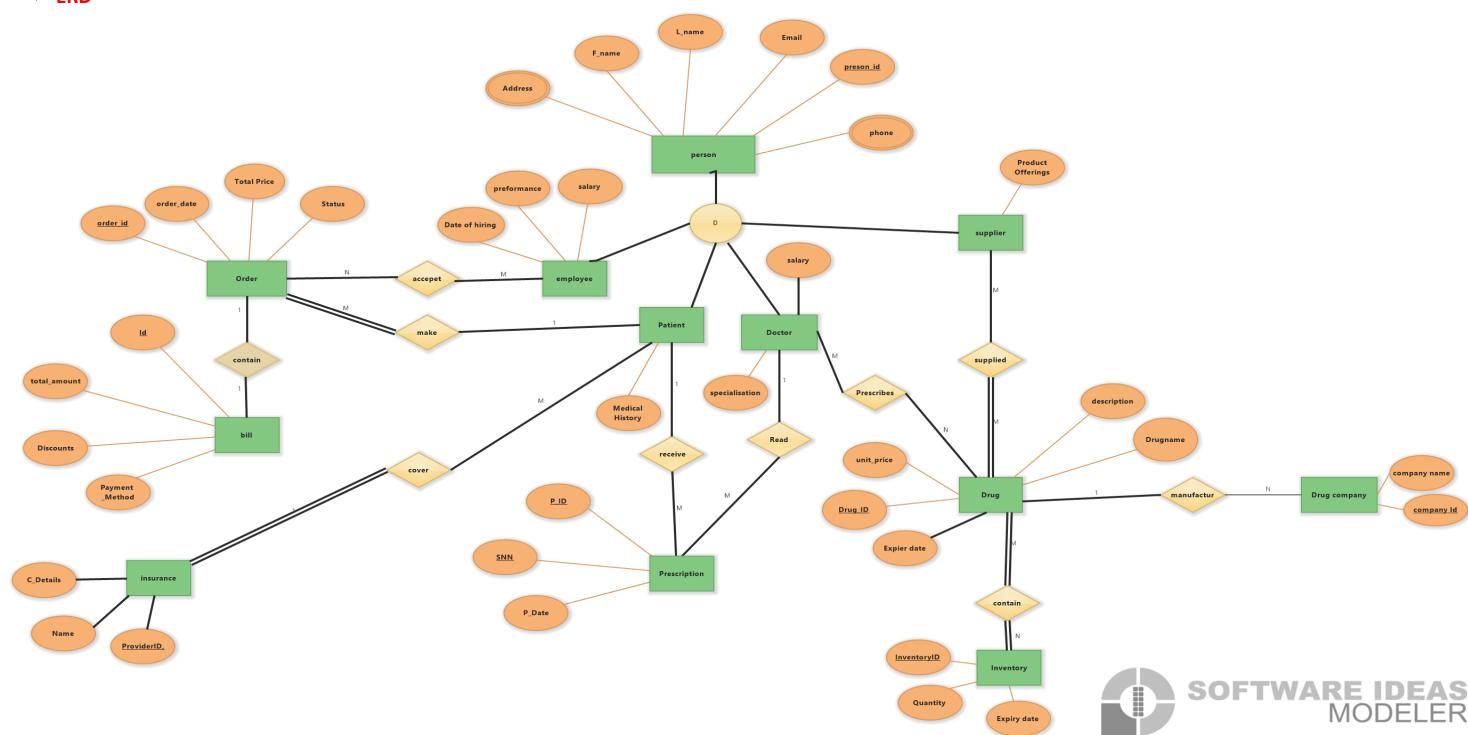
Drugs are being manufactured by company drug, one drug is being manufactured by many companies drug, and many company drug manufactured by one drug.



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Databases Design

✓ ERD





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√ DB schema (Mapping)

	F	Person (s	uper entity)				
Person_id 1	F_name		L_name		email		
Person address							
Person id ¹				address			
		Perso	n phone				
P	Person_id ¹			phone			
Employee (sub entity)							
Employee_id 2	Person_id1	Sã	alary	perform	ance	Date of hiring	
Doctor (sub entity)							
Doctor_id ³ Person_id ¹		speci	specialization salar		salary		
insurance							
Provider_ID 4 Na		ame		C_Details			
Patient (sub entity)							
Patient id 5 Person id 1 Medical History Provider ID 4							
Order							
Order_id 6	Order_data	To	otal_price	sta	tus	patient_id ⁵	
Employee_order Order_id_6							



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Bill

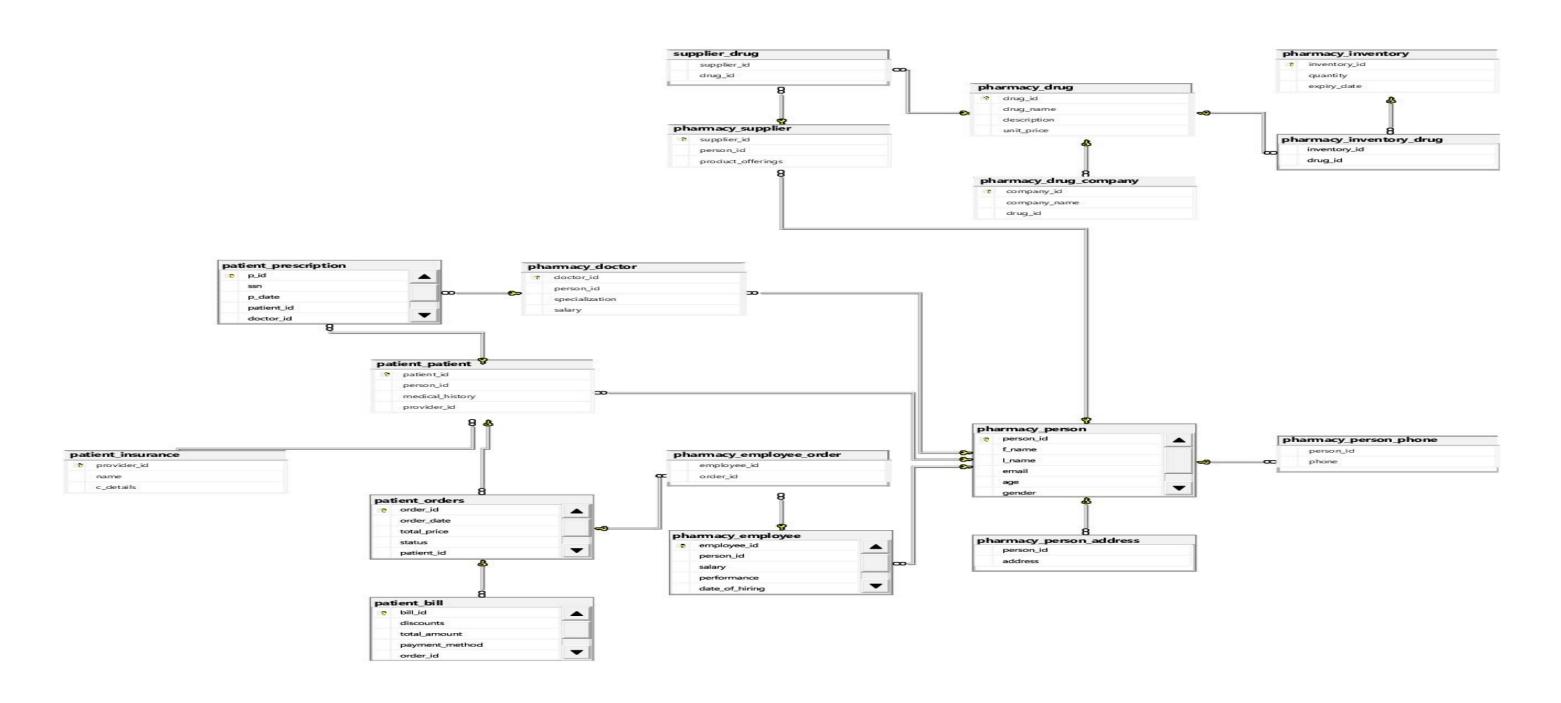
Bill_id ⁷	Discounts	tota	ıl_amount		nyment Method	Order_id ⁶			
Prescription									
<u>P_i</u>	<u>d 8</u> SN	IN	P_date	pat	tient_id ⁵	doctor_id 3			
Supplier (sub entity) Supplier id 9 Person id Product Offerings									
Durg									
<u>Drug</u>	<u>ID 10</u> Du	rg_name	description Unit_price						
Drug company									
Company	Company Id 11 compan			ame <u>Drug ID 10</u>					
Inventory									
<u>Inventory</u>	Inventory-id 12 Quantity			Expiry date					
Inventory_durg									
Inventory-id 12				Drug ID 10					
Supplier_durg									
supplier_id 9				Γ	Orug ID 10				



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DB Daigram

Database Implementation





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✓ SQL Code

```
create database pharmacy_management_system
create schema pharmacy
create schema patient
--super entity
create table pharmacy_person (
    person_id int primary key,
   f_name varchar(50),
   1_name varchar(50),
   email varchar(100)
);
create table pharmacy person address (
   person id int,
   address varchar(255),
   foreign key (person_id) references pharmacy_person(person_id)
);
create table pharmacy person phone (
    person_id int,
   phone varchar(20),
   foreign key (person_id) references pharmacy_person(person_id)
--sub entity
create table pharmacy_employee (
   employee_id int primary key,
   person_id int,
    salary decimal(10, 2),
    performance varchar(50),
   date_of_hiring date,
   foreign key (person_id) references pharmacy_person(person_id)
);
-- sub entity
create table pharmacy_doctor (
   doctor_id int primary key,
   person id int,
    specialization varchar(100),
    salary decimal(10, 2),
   foreign key (person_id) references pharmacy_person(person_id)
);
create table patient_insurance (
    provider_id int primary key,
    name varchar(100),
    c_details varchar(255)
);
-- sub entity
create table patient_patient (
    patient_id int primary key,
```



```
person id int,
   medical_history text,
   provider_id int,
    foreign key (person_id) references pharmacy_person(person_id),
   foreign key (provider_id) references patient_insurance(provider_id)
);
create table patient orders (
   order_id int primary key,
   order_date date,
   total price decimal(10, 2),
   status varchar(50),
   patient_id int,
   foreign key (patient id) references patient patient(patient id)
);
create table pharmacy_employee_order (
   employee_id int,
   order id int,
   foreign key (employee id) references pharmacy employee(employee id),
   foreign key (order_id) references patient_orders(order_id)
);
create table patient bill (
   bill id int primary key,
   discounts decimal(10, 2),
   total_amount decimal(10, 2),
   payment_method varchar(50),
   order id int,
   foreign key (order id) references patient orders(order id)
);
create table patient_prescription (
   p_id int primary key,
   ssn varchar(20),
   p_date date,
   patient_id int,
   doctor id int,
   foreign key (patient_id) references patient_patient(patient_id),
   foreign key (doctor_id) references pharmacy_doctor(doctor_id)
);
--sub entity
create table pharmacy_supplier (
    supplier_id int primary key,
   person_id int,
   product_offerings text,
    foreign key (person_id) references pharmacy_person(person_id)
);
create table pharmacy_drug (
    drug_id int primary key,
    drug_name varchar(100),
```



```
description text,
    unit_price decimal(10, 2)
);
create table pharmacy_drug_company (
    company id int primary key,
    company name varchar(100),
    drug_id int,
    foreign key (drug_id) references pharmacy_drug(drug_id)
);
create table pharmacy inventory (
    inventory_id int primary key,
    quantity int,
    expiry_date date
);
create table pharmacy inventory drug (
    inventory_id int,
    drug_id int,
    foreign key (inventory_id) references pharmacy_inventory(inventory_id),
    foreign key (drug id) references pharmacy drug(drug id)
create table supplier_drug (
    supplier_id int,
    drug_id int,
    foreign key (supplier_id) references pharmacy_supplier(supplier_id),
    foreign key (drug_id) references pharmacy_drug(drug_id)
);
-- Alter
ALTER TABLE pharmacy_Person
ADD age int;
ALTER TABLE pharmacy_Person
ADD gender varchar(99);
```



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✓ Data Manipulation Language (DML)

Insert

```
-- Insert data into pharmacy_person table
0
0
      INSERT INTO pharmacy_person (person_id, f_name, l_name, email, age, gender) VALUES
      (1, 'John', 'Doe', 'john@example.com', 30, 'Male'),
0
      (2, 'Jane', 'Smith', 'jane@example.com', 25, 'Female'),
0
0
      (3, 'Michael', 'Johnson', 'michael@example.com', 40, 'Male'),
      (4, 'Emily', 'Williams', 'emily@example.com', 35, 'Female'),
0
0
      (5, 'David', 'Brown', 'david@example.com', 28, 'Male'),
0
      (6, 'Sarah', 'Jones', 'sarah@example.com', 32, 'Female'),
      (7, 'Matthew', 'Davis', 'matthew@example.com', 45, 'Male'),
0
      (8, 'Jessica', 'Martinez', 'jessica@example.com', 27, 'Female'),
0
0
      (9, 'Christopher', 'Rodriguez', 'christopher@example.com', 38, 'Male'),
0
      (10, 'Amanda', 'Taylor', 'amanda@example.com', 29, 'Female');
0
0
      -- Insert data into pharmacy_person_address table
0
      INSERT INTO pharmacy_person_address (person_id, address) VALUES
0
      (1, '123 Main St'),
      (2, '456 Elm St'),
0
0
      (3, '789 Oak St'),
0
      (4, '101 Pine St'),
0
      (5, '222 Maple St'),
      (6, '333 Cedar St'),
0
      (7, '444 Birch St'),
0
      (8, '555 Walnut St'),
0
0
      (9, '666 Elm St'),
0
      (10, '777 Pine St');
0
0
      -- Insert data into pharmacy_person_phone table
0
      INSERT INTO pharmacy_person_phone (person_id, phone) VALUES
      (1, '555-1234'),
0
0
      (2, '555-5678'),
      (3, '555-9876'),
0
      (4, '555-5432'),
0
      (5, '555-6789'),
0
      (6, '555-4321'),
0
      (7, '555-8765'),
0
0
      (8, '555-2109'),
0
      (9, '555-3456'),
```



```
0
      (10, '555-7890');
0
0
       -- Insert data into pharmacy_employee table
      INSERT INTO pharmacy employee (employee id, person id, salary, performance,
0
date_of_hiring) VALUES
      (101, 1, 50000.00, 'Excellent', '2023-01-15'),
0
       (102, 2, 60000.00, 'Good', '2023-02-20'),
0
0
       (103, 3, 55000.00, 'Excellent', '2022-11-10'),
      (104, 4, 65000.00, 'Good', '2022-12-05'),
0
      (105, 5, 52000.00, 'Excellent', '2023-03-18'),
0
0
      (106, 6, 62000.00, 'Good', '2023-04-22'),
0
      (107, 7, 54000.00, 'Excellent', '2022-09-28'),
      (108, 8, 63000.00, 'Good', '2022-10-30'),
0
0
      (109, 9, 56000.00, 'Excellent', '2023-05-14'),
0
       (110, 10, 64000.00, 'Good', '2023-06-25');
0
0
       -- Insert data into pharmacy_doctor table
0
      INSERT INTO pharmacy_doctor (doctor_id, person_id, specialization, salary) VALUES
0
      (201, 2, 'Cardiologist', 80000.00),
      (202, 1, 'Pediatrician', 75000.00),
0
      (203, 4, 'Dermatologist', 85000.00),
0
       (204, 3, 'Neurologist', 90000.00),
0
0
       (205, 6, 'Orthopedic Surgeon', 95000.00),
       (206, 5, 'Psychiatrist', 85000.00),
0
      (207, 8, 'Oncologist', 100000.00),
0
       (208, 7, 'Gynecologist', 82000.00),
0
       (209, 10, 'Urologist', 88000.00),
0
       (210, 9, 'Endocrinologist', 86000.00);
0
0
0
       -- Insert data into patient_insurance table
0
      INSERT INTO patient_insurance (provider_id, name, c_details) VALUES
       (1, 'HealthCare Inc.', 'Contact: healthcare@example.com'),
0
       (2, 'MediCare Ltd.', 'Contact: medicare@example.com'),
0
       (3, 'Wellness Insurance', 'Contact: wellness@example.com'),
0
0
       (4, 'SafeGuard Insurance', 'Contact: safeguard@example.com'),
0
       (5, 'Coverage Plus', 'Contact: coverage@example.com'),
0
       (6, 'Total Care Insurance', 'Contact: totalcare@example.com'),
       (7, 'Premier Health', 'Contact: premierhealth@example.com'),
0
0
       (8, 'FirstChoice Insurance', 'Contact: firstchoice@example.com'),
0
       (9, 'Unity Health Insurance', 'Contact: unityhealth@example.com'),
       (10, 'Optimum Insurance', 'Contact: optimum@example.com');
0
0
```



```
0
      -- Insert data into patient patient table
      INSERT INTO patient_patient (patient_id, person_id, medical_history, provider_id)
0
VALUES
      (301, 1, 'No significant medical history', 1),
0
0
      (302, 2, 'Allergic to penicillin', 2),
0
      (303, 3, 'Hypertension', 3),
      (304, 4, 'Asthma', 4),
0
0
      (305, 5, 'Depression', 5),
      (306, 6, 'Diabetes', 6),
0
      (307, 7, 'High cholesterol', 7),
0
0
      (308, 8, 'Thyroid disorder', 8),
0
      (309, 9, 'Obesity', 9),
      (310, 10, 'Arthritis', 10);
0
0
0
       -- Insert data into patient_orders table
0
      INSERT INTO patient orders (order id, order date, total price, status, patient id)
VALUES
      (401, '2024-05-20', 150.00, 'Pending', 301),
0
      (402, '2024-05-21', 200.00, 'Shipped', 302),
0
0
      (403, '2024-05-22', 180.00, 'Delivered', 303),
0
      (404, '2024-05-23', 220.00, 'Pending', 304),
0
      (405, '2024-05-24', 190.00, 'Shipped', 305),
      (406, '2024-05-25', 210.00, 'Delivered', 306),
0
0
      (407, '2024-05-26', 160.00, 'Pending', 307),
0
      (408, '2024-05-27', 230.00, 'Shipped', 308),
       (409, '2024-05-28', 200.00, 'Delivered', 309),
0
0
       (410, '2024-05-29', 240.00, 'Pending', 310);
0
0
      INSERT INTO pharmacy_employee_order (employee_id, order_id) VALUES
0
      (101, 401),
0
      (102, 402),
0
      (103, 403),
0
      (104, 404),
0
      (105, 405),
0
      (106, 406),
0
      (107, 407),
0
      (108, 408),
      (109, 409),
0
0
      (110, 410);
0
0
       -- Insert data into patient_bill table
       INSERT INTO patient_bill (bill_id, discounts, total_amount, payment_method,
order_id) VALUES
```



```
0
       (501, 10.00, 140.00, 'Credit Card', 401),
       (502, 0.00, 200.00, 'Cash', 402),
0
0
       (503, 5.00, 175.00, 'Credit Card', 403),
0
      (504, 15.00, 205.00, 'Cash', 404),
      (505, 20.00, 170.00, 'Credit Card', 405),
0
      (506, 0.00, 210.00, 'Cash', 406),
0
0
      (507, 10.00, 150.00, 'Credit Card', 407),
      (508, 0.00, 230.00, 'Cash', 408),
0
      (509, 8.00, 192.00, 'Credit Card', 409),
0
0
      (510, 12.00, 228.00, 'Cash', 410);
0
0
       -- Insert data into patient prescription table
0
      INSERT INTO patient_prescription (p_id, ssn, p_date, patient_id, doctor_id) VALUES
0
       (601, '123-45-6789', '2024-05-22', 301, 202),
0
       (602, '987-65-4321', '2024-05-21', 302, 201),
       (603, '456-78-9012', '2024-05-20', 303, 204),
0
       (604, '789-01-2345', '2024-05-19', 304, 203),
0
0
       (605, '234-56-7890', '2024-05-18', 305, 206),
       (606, '567-89-0123', '2024-05-17', 306, 205),
0
       (607, '890-12-3456', '2024-05-16', 307, 208),
0
       (608, '345-67-8901', '2024-05-15', 308, 207),
0
       (609, '678-90-1234', '2024-05-14', 309, 210),
0
       (610, '901-23-4567', '2024-05-13', 310, 209);
0
0
       -- Insert data into pharmacy_supplier table
0
      INSERT INTO pharmacy supplier (supplier id, person id, product offerings) VALUES
0
0
      (701, 1, 'Pharmaceuticals'),
      (702, 2, 'Medical equipment'),
0
       (703, 3, 'Medical supplies'),
0
0
      (704, 4, 'Laboratory equipment'),
0
       (705, 5, 'Diagnostic devices'),
       (706, 6, 'Surgical instruments'),
0
0
      (707, 7, 'Rehabilitation aids'),
0
      (708, 8, 'Orthopedic implants'),
0
       (709, 9, 'Dental supplies'),
0
      (710, 10, 'Veterinary products');
0
0
       -- Insert data into pharmacy_drug table
0
      INSERT INTO pharmacy_drug (drug_id, drug_name, description, unit_price) VALUES
0
       (801, 'Aspirin', 'Pain reliever', 5.00),
       (802, 'Amoxicillin', 'Antibiotic', 10.00),
0
0
       (803, 'Lisinopril', 'Blood pressure medication', 8.00),
```



```
0
       (804, 'Albuterol', 'Bronchodilator', 12.00),
       (805, 'Sertraline', 'Antidepressant', 15.00),
0
       (806, 'Metformin', 'Diabetes medication', 10.00),
0
       (807, 'Simvastatin', 'Cholesterol-lowering drug', 7.00),
0
       (808, 'Levothyroxine', 'Thyroid medication', 10.00),
0
       (809, 'Atorvastatin', 'Cholesterol-lowering drug', 8.00),
0
0
       (810, 'Omeprazole', 'Acid reflux medication', 9.00);
0
0
       -- Insert data into pharmacy_drug_company table
0
       INSERT INTO pharmacy_drug_company (company_id, company_name, drug_id) VALUES
0
       (901, 'PharmaCorp', 801),
       (902, 'MedEquip Ltd.', 802),
0
0
       (903, 'MedSupply Inc.', 803),
0
       (904, 'LabTech Solutions', 804),
0
       (905, 'DiagnosTech', 805),
0
       (906, 'MetaPharm', 806),
0
       (907, 'StatMed Laboratories', 807),
0
       (908, 'ThyroPharm', 808),
0
       (909, 'CholestaCare', 809),
0
       (910, 'AcidBlock Pharmaceuticals', 810);
0
0
       -- Insert data into pharmacy_inventory table
0
       INSERT INTO pharmacy_inventory (inventory_id, quantity, expiry_date) VALUES
0
       (1001, 100, '2025-01-01'),
       (1002, 50, '2024-12-01'),
0
       (1003, 75, '2024-11-01'),
0
0
       (1004, 120, '2024-10-01'),
       (1005, 90, '2024-09-01'),
0
       (1006, 110, '2024-08-01'),
0
       (1007, 85, '2024-07-01'),
0
0
       (1008, 130, '2024-06-01'),
       (1009, 95, '2024-05-01'),
0
0
       (1010, 105, '2024-04-01');
0
       -- Insert data into pharmacy_inventory_drug table
0
0
       INSERT INTO pharmacy_inventory_drug (inventory_id, drug_id) VALUES
0
       (1001, 801),
       (1002, 802),
0
0
       (1003, 803),
0
       (1004, 804),
       (1005, 805),
0
0
       (1006, 806),
```



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O (1007, 807), O (1008, 808), O (1009, 809), O (1010, 810);



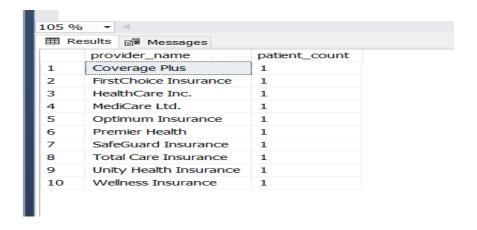
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✓ Data Query Language (DQL)

Join (more than two tables)

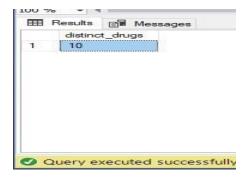
1.

```
---patients have insurance from each provider
select pi.name as provider_name, COUNT(pp.patient_id) as patient_count
from patient_patient pp join patient_insurance pi
on pp.provider_id = pi.provider_id
group by pi.name;
```



2.

```
--- distinct drugs are there in the inventory
select count(distinct drug_id) as distinct_drugs
from pharmacy_inventory_drug;
```

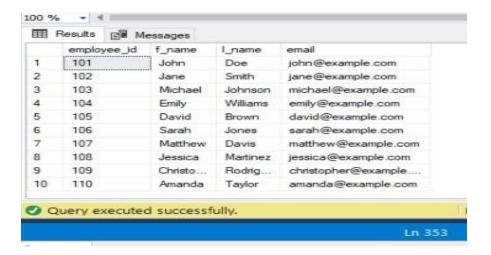




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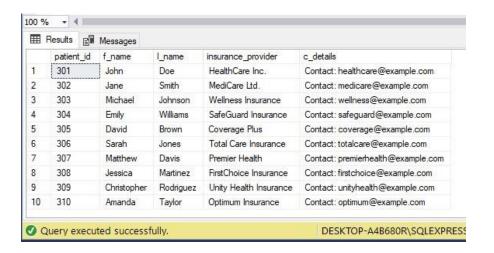
3.

--- retrieve a list of all employees along with their associated personal information (first name, last name, and email) select e.employee_id, p.f_name, p.l_name, p.email from pharmacy_employee e join pharmacy_person p on e.person_id = p.person_id;



4.

--- find all patients along with their insurance provider details
select pp.patient_id, p.f_name, p.l_name, pi.name as insurance_provider, pi.c_details
from patient_patient pp join pharmacy_person p
on pp.person_id = p.person_id join patient_insurance pi
on pp.provider_id = pi.provider_id;





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5.

```
--- total revenue generated from orders processed by each employee select e.employee_id, p.f_name, p.l_name, sum(o.total_price) as total_revenue from pharmacy_employee e join pharmacy_person p on e.person_id = p.person_id join pharmacy_employee_order eo on e.employee_id = eo.employee_id join patient_orders o on eo.order_id = o.order_id group by e.employee id, p.f name, p.l name;
```



6.

---list all orders along with the patient's name and the total price of each order
select o.order_id, p.f_name, p.l_name, o.total_price
from patient_orders o join patient_patient pp
on o.patient_id = pp.patient_id join pharmacy_person p
on pp.person_id = p.person_id;





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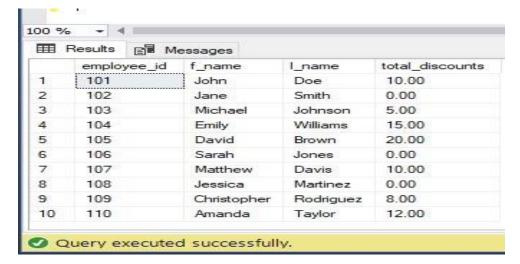
7.

```
---prescriptions has each doctor issued
select d.doctor_id, p.f_name, p.l_name, count(pr.p_id) as prescription_count
from pharmacy_doctor d join pharmacy_person p
on d.person_id = p.person_id join patient_prescription pr
on d.doctor_id = pr.doctor_id
group by d.doctor_id, p.f_name, p.l_name;
```



8.

```
---total amount of discounts given by each employee select e.employee_id, p.f_name, p.l_name, sum(b.discounts) as total_discounts from pharmacy_employee e join pharmacy_person p on e.person_id = p.person_id join pharmacy_employee_order eo on e.employee_id = eo.employee_id join patient_orders o on eo.order_id = o.order_id join patient_bill b on o.order_id = b.order_id group by e.employee_id, p.f_name, p.l_name;
```

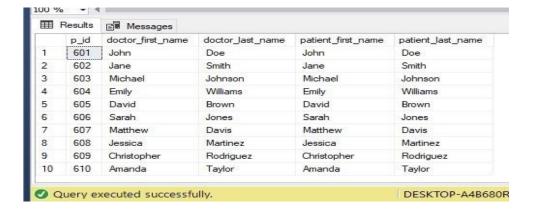




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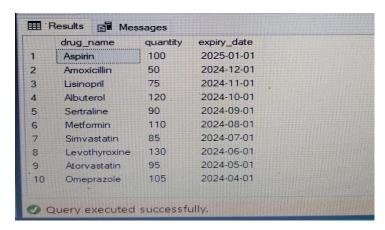
9.

```
---list of all prescriptions along with the associated doctor's and patient's names select pr.p_id, d.f_name as doctor_first_name, d.l_name as doctor_last_name, p.f_name as patient_first_name, p.l_name as patient_last_name from patient_prescription pr join pharmacy_doctor pd on pr.doctor_id = pd.doctor_id join pharmacy_person d on pd.person_id = d.person_id join patient_patient pp on pr.patient_id = pp.patient_id join pharmacy_person p on pp.person_id = p.person_id;
```



10.

```
---list all drugs in the inventory along with their quantities and expiry dates? select d.drug_name, i.quantity, i.expiry_date from pharmacy_drug d join pharmacy_inventory_drug id on d.drug_id = id.drug_id join pharmacy_inventory i on id.inventory_id = i.inventory_id;
```

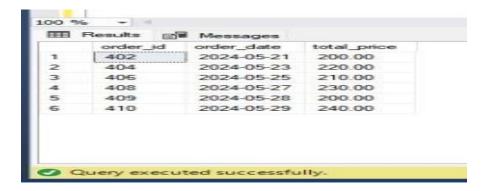


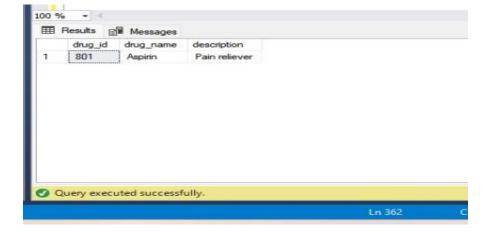


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Nested Query

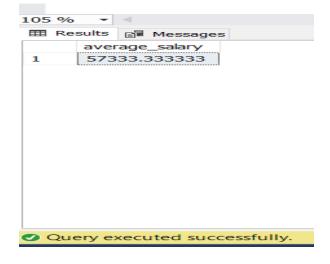
```
--all orders where the total price is above the average total price of all orders
select po.order_id, po.order_date, po.total_price
from patient_orders po
where po.total_price > (select avg (total_price) from patient_orders);
```







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View

```
---View for drug information with company details
CREATE VIEW pharmacy.drug_info AS
SELECT d.drug_id,d.drug_name,d.description,d.unit_price,c.company_name
FROM [pharmacy_drug] d left join
    pharmacy_drug_company c ON d.drug_id = c.drug_id;
```

```
105 % ▼ ■

Messages
Commands completed successfully.
Completion time: 2024-05-28T18:20:10.7170200+03:00
```



```
---View for prescription details including patient and doctor information
       CREATE VIEW patient.prescription_details AS
SELECT pr.p_id,pr.ssn,pr.p_date,p.f_name AS patient_first_name,p.l_name AS
patient_last_name,d.f_name AS doctor_first_name,d.l_name AS
doctor_last_name,doc.specialization
FROM [dbo].[patient_prescription] pr
JOIN patient_patient pt ON pr.patient_id = pt.patient_id
JOIN pharmacy person p ON pt.person id = p.person id
JOIN pharmacy_doctor doc ON pr.doctor_id = doc.doctor_id
              JOIN pharmacy_person d ON doc.person_id = d.person_id;
                105 % ▼ ◀ ▮

    Messages

                   Commands completed successfully.
                   Completion time: 2024-05-28T18:20:10.7170200+03:00
                      ▼ | 4

    Query executed successfully
```

```
----View for inventory information including drug details

CREATE VIEW pharmacy.inventory_info AS

SELECT i.inventory_id,i.quantity, i.expiry_date, d.drug_name, d.unit_price

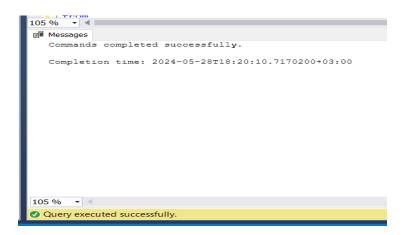
FROM pharmacy_inventory i

JOIN

pharmacy_inventory_drug id ON i.inventory_id = id.inventory_id

JOIN

pharmacy_drug d ON id.drug id = d.drug id;
```





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Stored procedures

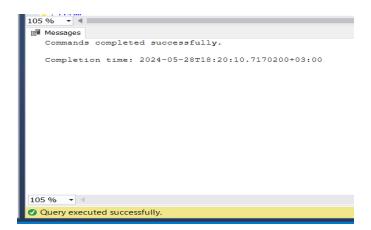
```
---Add New Pharmacy Person

CREATE PROCEDURE AddPharmacyPerson
    @FirstName VARCHAR(50),
    @LastName VARCHAR(50),
    @Email VARCHAR(100)

AS

BEGIN
    INSERT INTO pharmacy.pharmacy_person (f_name, l_name, email)

VALUES (@FirstName, @LastName, @Email);
END;
```





```
--Update Employee Salary

CREATE PROCEDURE uspUpdateEmployeeSalary

@employee_id INT,

@new_salary DECIMAL(10, 2)

AS

BEGIN

UPDATE pharmacy.pharmacy_employee

SET salary = @new_salary

WHERE employee_id = @employee_id;

END;
```





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O **Trigger** --i need to auditing any add or delete any drugs

1.

```
create table auditing_drugs (
auditing_ID int identity(1,1) primary key ,
drug_name varchar(100),
change_date datetime default getdate() )

create trigger add_drugs
on [dbo].[pharmacy_drug]
after insert
as
begin
insert into auditing_drugs(drug_name, change_date)
select
    drug_name, getdate()
from
    inserted
end;
```

2.

```
create trigger delete_drugs
on [dbo].[pharmacy_drug]
after delete
as
```



```
begin
    insert into auditing_drugs(drug_name,change_date)
    select
    drug_name,getdate()
    from
    deleted
    end;

INSERT INTO pharmacy_drug (drug_id, drug_name, description, unit_price)

VALUES

(850, 'Aspirin', 'hosna', 111.00)
```