Abdullatif Itani Lab 5 202203750

**DDL:**

**Create:**

CREATE TABLE DOCTOR

(DID INT NOT NULL,

DNAME VARCHAR(50) NOT NULL,

SPECIALTY VARCHAR(50) NOT NULL,

YEARS\_OF\_EXP INT,

PRIMARY KEY (DID));

CREATE TABLE PATIENT

(PID INT NOT NULL,

PNAME VARCHAR(50) NOT NULL,

PADDRESS VARCHAR(50),

AGE INT,

PRIM\_DID INT NOT NULL,

PRIMARY KEY (PID),

FOREIGN KEY (PRIM\_DID) REFERENCES DOCTOR(DID));

CREATE TABLE EXAMINES

(PATIENT\_ID INT NOT NULL,

DOCTOR\_ID INT NOT NULL,

PRIMARY KEY (PATIENT\_ID, DOCTOR\_ID),

FOREIGN KEY (PATIENT\_ID) REFERENCES PATIENT(PID),

FOREIGN KEY (DOCTOR\_ID) REFERENCES DOCTOR(DID));

CREATE TABLE PHARMACY

(HID INT NOT NULL,

PHARM\_NAME VARCHAR(50) NOT NULL,

PHARM\_LOCATION VARCHAR(50) NOT NULL,

SUPERVIS\_ID INT NOT NULL,

PRIMARY KEY (HID),

FOREIGN KEY (SUPERVIS\_ID) REFERENCES DOCTOR(DID));

CREATE TABLE DRUG

(MID INT NOT NULL,

DRUG\_NAME VARCHAR(50) NOT NULL,

FORMULA VARCHAR(50) NOT NULL,

PRIMARY KEY (MID));

CREATE TABLE SELLS

(DRUG\_ID INT NOT NULL,

PHARMACY\_ID INT NOT NULL,

PRICE DECIMAL(10,2) NOT NULL,

PRIMARY KEY (DRUG\_ID, PHARMACY\_ID),

FOREIGN KEY (DRUG\_ID) REFERENCES DRUG(MID),

FOREIGN KEY (PHARMACY\_ID) REFERENCES PHARMACY(HID));

CREATE TABLE PRESCRIBES

(PATIENT\_ID INT NOT NULL,

DOCTOR\_ID INT NOT NULL,

DRUG\_ID INT NOT NULL,

P\_DATE DATE NOT NULL,

PRESCRIPTION VARCHAR(50) NOT NULL,

PRIMARY KEY (PATIENT\_ID, DOCTOR\_ID, DRUG\_ID, P\_DATE),

FOREIGN KEY (PATIENT\_ID) REFERENCES PATIENT(PID),

FOREIGN KEY (DOCTOR\_ID) REFERENCES DOCTOR(DID),

FOREIGN KEY (DRUG\_ID) REFERENCES DRUG(MID));

**Insert:**

INSERT INTO DOCTOR (DID, DNAME, SPECIALTY, YEARS\_OF\_EXP) VALUES

(1, 'Dr. Smith', 'Cardiology', 10),

(2, 'Dr. Johnson', 'Pediatrics', 8),

(3, 'Dr. Brown', 'Dermatology', 12);

INSERT INTO PATIENT (PID, PNAME, PADDRESS, AGE, PRIM\_DID) VALUES

(1, 'John Doe', 'Hamra', 35, 1),

(2, 'Jane Smith', 'Bliss', 28, 2),

(3, 'Alice Johnson', 'Gemmayze', 45, 3);

INSERT INTO EXAMINES (PATIENT\_ID, DOCTOR\_ID) VALUES

(1, 1),

(1, 2),

(2, 1),

(2, 2),

(3, 1),

(3, 3);

INSERT INTO PHARMACY (HID, PHARM\_NAME, PHARM\_LOCATION, SUPERVIS\_ID) VALUES

(1, 'Soubra Pharmacy', 'Verdun', 1),

(2, 'Labban Pharmacy', 'Kraytem', 2),

(3, 'Mehio Pharmacy', 'Corniche El Mazraa', 3);

INSERT INTO DRUG (MID, DRUG\_NAME, FORMULA) VALUES

(1, 'Aspirin', 'C9H8O4'),

(2, 'Amoxicillin', 'C16H19N3O5S'),

(3, 'Lisinopril', 'C21H31O5N3');

INSERT INTO SELLS (DRUG\_ID, PHARMACY\_ID, PRICE) VALUES

(1, 1, 10),

(1, 2, 9),

(2, 1, 15),

(2, 2, 14),

(3, 1, 20),

(3, 3, 19);

INSERT INTO PRESCRIBES (PATIENT\_ID, DOCTOR\_ID, DRUG\_ID, P\_DATE, PRESCIPTION) VALUES

(1, 1, 1, NOW(), 'Pain Relief'),

(2, 2, 2, NOW(), 'Bacterial Infection'),

(1, 2, 2, NOW(), 'Flu'),

(2, 1, 1, NOW(), 'Headache'),

(3, 1, 3, NOW(), 'High Blood Pressure'),

(3, 3, 1, NOW(), 'Headache');