Generate Database  
for Pharmacy System

1-Generate Tables:

CREATE TABLE Medicine\_Data (

Medicine\_ID INT PRIMARY KEY,

English\_Name VARCHAR(255),

Arabic\_Name VARCHAR(255),

Medicine\_Price DECIMAL(10, 2),

Active\_Substance VARCHAR(255),

Manufacturer\_Company VARCHAR(255),

Medicine\_Usage VARCHAR(255),

Number\_Of\_Units INT,

Pharmaceutical\_Form VARCHAR(255),

Parcode VARCHAR(50),

Medicine\_Count INT,

Medicine\_Consumption INT,

Validity\_InMonths INT

);

CREATE TABLE Doctor\_Info (

Dr\_ID INT PRIMARY KEY,

Dr\_FirstName VARCHAR(255),

Dr\_LastName VARCHAR(255),

Dr\_Email VARCHAR(255),

Dr\_Password VARCHAR(255),

Dr\_phoneNumber VARCHAR(20),

Dr\_Department VARCHAR(255)

);

CREATE TABLE Pharmacist\_Info (

Pharm\_ID INT PRIMARY KEY,

Pharm\_FirstName VARCHAR(255),

Pharm\_LastName VARCHAR(255),

Pharm\_Email VARCHAR(255),

Pharm\_Password VARCHAR(255),

Pharm\_phoneNumber VARCHAR(20)

);

-- Create table for Prescription

CREATE TABLE Prescription (

Prescription\_ID INT PRIMARY KEY,

Prescription\_Date DATE,

Dr\_ID INT,

FOREIGN KEY (Dr\_ID) REFERENCES Doctor\_Info(Dr\_ID)

);

-- Create table for Prescription\_Data

CREATE TABLE Prescription\_Data (

Prescription\_ID INT,

Medicine\_ID INT,

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

FOREIGN KEY (Medicine\_ID) REFERENCES Medicine\_Data(Medicine\_ID)

);

-- Create table for Receipt

CREATE TABLE Receipt (

Receipt\_ID INT PRIMARY KEY,

Pharm\_ID INT,

Prescription\_ID INT,

Receipt\_Data date,

Total\_Price DECIMAL(10, 2),

FOREIGN KEY (Pharm\_ID) REFERENCES Pharmacist\_Info(Pharm\_ID),

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

);

-- Create table for Receipt\_Data

CREATE TABLE Receipt\_Data (

Receipt\_ID INT,

Medicine\_ID INT,

Number\_Of\_Units INT,

Price DECIMAL(10, 2),

FOREIGN KEY (Receipt\_ID) REFERENCES Receipt(Receipt\_ID),

FOREIGN KEY (Medicine\_ID) REFERENCES Medicine\_Data(Medicine\_ID)

);

2- Insert Data in table:  
 - first install file “Medicine\_Data.csv” .  
 - Second set this file like this path in your pc ‘C:/ProgramData/MySQL/MySQL Server 8.01/Uploads’ .

* Write this code in MySQL and don’t for give change the Path in code :

ALTER TABLE Medicine\_Data MODIFY COLUMN Active\_Substance VARCHAR(1024); -- Adjust the length as needed

ALTER TABLE Medicine\_Data MODIFY COLUMN Parcode VARCHAR(1024); -- Adjust the length as needed

LOAD DATA INFILE 'C:/ProgramData/MySQL/MySQL Server 8.01/Uploads/Medcine\_Data.csv'

INTO TABLE Medicine\_Data

FIELDS TERMINATED BY ','

ENCLOSED BY '"'

LINES TERMINATED BY '\n'

IGNORE 1 ROWS;

ALTER TABLE Medicine\_Data MODIFY COLUMN Medicine\_Count INT NULL;

ALTER TABLE Medicine\_Data MODIFY COLUMN Medicine\_Count INT NULL;

ALTER TABLE Medicine\_Data MODIFY COLUMN Active\_Substance VARCHAR(1024); -- Adjust the length as needed