

## **CREATE TABLE scripts**

### **SQL Scripts to create table**

#### **-- Patients Table**

```
CREATE TABLE Patients (  
    PatientID INT AUTO_INCREMENT PRIMARY KEY,  
    FirstName VARCHAR(50),  
    LastName VARCHAR(50),  
    DOB DATE,  
    Gender VARCHAR(10),  
    ContactNumber VARCHAR(15),  
    Email VARCHAR(100),  
    Address TEXT  
);
```

#### **-- Doctors Table**

```
CREATE TABLE Doctors (  
    DoctorID INT AUTO_INCREMENT PRIMARY KEY,  
    FirstName VARCHAR(50),  
    LastName VARCHAR(50),  
    Specialization VARCHAR(100),  
    ContactNumber VARCHAR(15),  
    Email VARCHAR(100)  
);
```

#### **-- Appointments Table**

```
CREATE TABLE Appointments (  
    AppointmentID INT AUTO_INCREMENT PRIMARY KEY,  
    PatientID INT,  
    DoctorID INT,  
    AppointmentDate TIMESTAMP DEFAULT CURRENT_TIMESTAMP,  
    Status VARCHAR(20) CHECK (Status IN ('Scheduled', 'Completed', 'Cancelled')),  
    FOREIGN KEY (PatientID) REFERENCES Patients(PatientID) ON DELETE CASCADE,
```

FOREIGN KEY (DoctorID) REFERENCES Doctors(DoctorID) ON DELETE CASCADE

);

#### **-- Medical Records Table**

CREATE TABLE MedicalRecords (

RecordID INT AUTO\_INCREMENT PRIMARY KEY,

PatientID INT,

DoctorID INT,

Diagnosis TEXT,

Prescription TEXT,

VisitDate TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

FOREIGN KEY (PatientID) REFERENCES Patients(PatientID) ON DELETE CASCADE,

FOREIGN KEY (DoctorID) REFERENCES Doctors(DoctorID) ON DELETE CASCADE

);

#### **-- Billing Table**

CREATE TABLE Billing (

BillID INT AUTO\_INCREMENT PRIMARY KEY,

PatientID INT,

Amount DECIMAL(10,2),

PaymentStatus VARCHAR(20) CHECK (PaymentStatus IN ('Paid', 'Pending', 'Overdue')),

BillDate TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

FOREIGN KEY (PatientID) REFERENCES Patients(PatientID) ON DELETE CASCADE

);

#### **INSERT scripts**

##### **-- Insert into Patients**

INSERT INTO Patients (FirstName, LastName, DOB, Gender, ContactNumber, Email, Address)  
VALUES

('John', 'Doe', '1985-05-20', 'Male', '1234567890', '[john.doe@example.com](mailto:john.doe@example.com)', '123 Elm St,  
Springfield'),

('Jane', 'Smith', '1990-08-15', 'Female', '9876543210', '[jane.smith@example.com](mailto:jane.smith@example.com)', '456 Maple Ave,  
Springfield');

##### **-- Insert into Doctors**

```
INSERT INTO Doctors (FirstName, LastName, Specialization, ContactNumber, Email) VALUES
('Dr. Alice', 'Johnson', 'Cardiology', '5551234567', 'alice.johnson@example.com'),
('Dr. Bob', 'Miller', 'Dermatology', '5557654321', 'bob.miller@example.com');
```

**-- Insert into Appointments**

```
INSERT INTO Appointments (PatientID, DoctorID, AppointmentDate, Status) VALUES
(1, 1, '2024-02-15 10:00:00', 'Scheduled'),
(2, 2, '2024-02-16 14:30:00', 'Completed');
```

**-- Insert into MedicalRecords**

```
INSERT INTO MedicalRecords (PatientID, DoctorID, Diagnosis, Prescription, VisitDate) VALUES
(1, 1, 'Hypertension', 'Lisinopril 10mg daily', '2024-02-15 10:30:00'),
(2, 2, 'Acne', 'Topical Clindamycin', '2024-02-16 15:00:00');
```

**-- Insert into Billing**

```
INSERT INTO Billing (PatientID, Amount, PaymentStatus, BillDate) VALUES
(1, 200.00, 'Paid', '2024-02-15 11:00:00'),
(2, 150.00, 'Pending', '2024-02-16 16:00:00');
```