# DBMS INNOVATIVE METHOD(Group Project)

TOPIC: HOSPITAL MANAGEMENT DATABASE





#### **GROUP MEMBERS**

- Achal Gawande 101
- Chaitali Nagbhidkar 104
- Himani Gawande 108
- Manaswi Padole 111
- Om Sadawarti 160



```
-- Table for Patients
CREATE TABLE Patients (
    PatientID INT PRIMARY KEY
AUTO_INCREMENT,
    FirstName VARCHAR(50) NOT NULL,
    LastName VARCHAR(50) NOT NULL,
    Gender ENUM('Male', 'Female', 'Other')
NOT NULL,
    Age INT,
    ContactNumber VARCHAR(15),
    Address VARCHAR(255)
);
```

```
-- Table for Doctors
CREATE TABLE Doctors (
    DoctorID INT PRIMARY KEY
AUTO_INCREMENT,
    FirstName VARCHAR(50) NOT NULL,
    LastName VARCHAR(50) NOT NULL,
    Specialization VARCHAR(100),
    ContactNumber VARCHAR(15),
    Email VARCHAR(100)
);
```



```
-- Table for Appointments
CREATE TABLE Appointments (
    AppointmentID INT PRIMARY KEY
AUTO_INCREMENT,
    PatientID INT,
    DoctorID INT,
    AppointmentDate DATE,
    StartTime TIME,
    EndTime TIME,
    FOREIGN KEY (PatientID)
REFERENCES Patients(PatientID),
    FOREIGN KEY (DoctorID)
REFERENCES Doctors(DoctorID)
);
```

```
-- Table for Medical Records
CREATE TABLE MedicalRecords (
    RecordID INT PRIMARY KEY
AUTO_INCREMENT,
    PatientID INT,
    DoctorID INT,
    RecordDate DATE,
    Diagnosis VARCHAR(255),
    Prescription VARCHAR(255),
    FOREIGN KEY (PatientID)
REFERENCES Patients(PatientID),
    FOREIGN KEY (DoctorID)
REFERENCES Doctors(DoctorID)
);
```



```
-- Table for Billing
CREATE TABLE Billing (
    BillID INT PRIMARY KEY
AUTO_INCREMENT,
    PatientID INT,
    DoctorID INT,
    BillDate DATE,
    Amount DECIMAL(10, 2),
    FOREIGN KEY (PatientID)
REFERENCES Patients(PatientID),
    FOREIGN KEY (DoctorID)
REFERENCES Doctors(DoctorID)
);
```

```
-- Insert 5 records into Patients table INSERT INTO Patients (FirstName, LastName, Gender, Age, ContactNumber, Address) VALUES
('John', 'Doe', 'Male', 30, '1234567890', '123 Main St'),
('Jane', 'Smith', 'Female', 25, '9876543210', '456 Oak St'),
('Michael', 'Johnson', 'Male', 45, '5551112233', '789 Pine St'),
('Emily', 'Williams', 'Female', 28, '4443332222', '101 Elm St'),
('David', 'Brown', 'Male', 35, '6667778888', '202 Maple St');
```



```
INSERT INTO Doctors (FirstName, LastName, Specialization, ContactNumber, Email)
VALUES
('Dr. Sarah', 'Jones', 'Cardiology',
'1112223344', 'sarah.jones@example.com'),
('Dr. Robert', 'Miller', 'Orthopedics',
'5556667788', 'robert.miller@example.com'),
('Dr. Maria', 'Garcia', 'Pediatrics',
'9998887766', 'maria.garcia@example.com'),
('Dr. James', 'Anderson', 'Oncology',
'3334445566',
'james.anderson@example.com'),
('Dr. Linda', 'Clark', 'Dermatology',
'7778889999', 'linda.clark@example.com');
```

```
INSERT INTO Appointments (PatientID, DoctorID, AppointmentDate, StartTime, EndTime)
VALUES
(1, 1, '2023-10-10', '10:00:00', '11:00:00'),
(2, 2, '2023-10-11', '14:00:00', '15:00:00'),
(3, 3, '2023-10-12', '11:30:00', '12:30:00'),
(4, 4, '2023-10-13', '09:00:00', '10:00:00'),
(5, 5, '2023-10-14', '16:00:00', '17:00:00');
```

-- Insert 5 records into Appointments table



```
-- Insert 5 records into MedicalRecords table INSERT INTO MedicalRecords (PatientID, DoctorID, RecordDate, Diagnosis, Prescription) VALUES
```

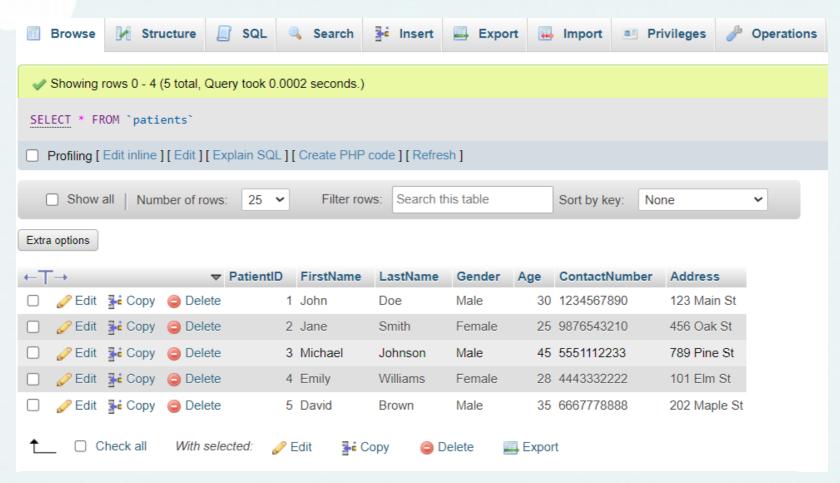
- (1, 1, '2023-10-10', 'Hypertension', 'Medication A'),
- (2, 2, '2023-10-11', 'Fractured Arm', 'Rest and Painkillers'),
- (3, 3, '2023-10-12', 'Common Cold', 'Antibiotics'),
- (4, 4, '2023-10-13', 'Cancer Screening', 'Refer to Oncologist'),
- (5, 5, '2023-10-14', 'Skin Allergy', 'Topical Cream');

```
-- Insert 5 records into Billing table INSERT INTO Billing (PatientID, DoctorID, BillDate, Amount)
VALUES
(1 1 '2023-10-10' 150 00)
```

```
(1, 1, '2023-10-10', 150.00),
(2, 2, '2023-10-11', 200.00),
(3, 3, '2023-10-12', 75.50),
(4, 4, '2023-10-13', 300.00),
(5, 5, '2023-10-14', 50.00);
```

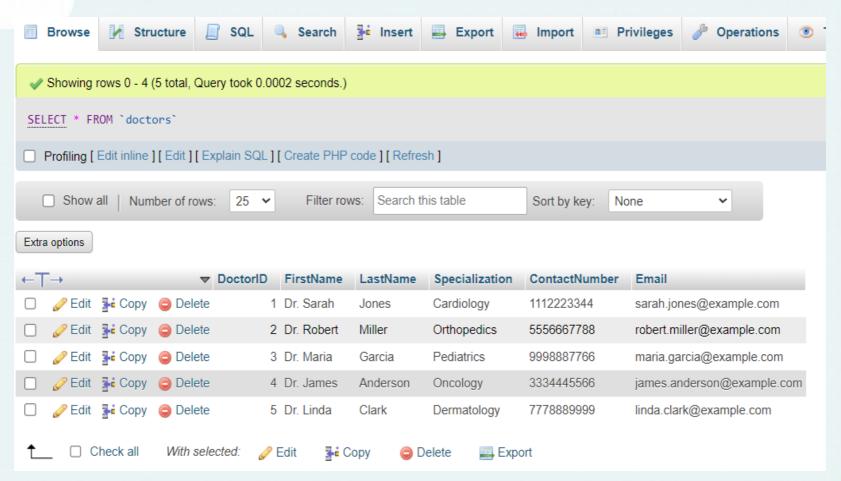


#### Patients Table



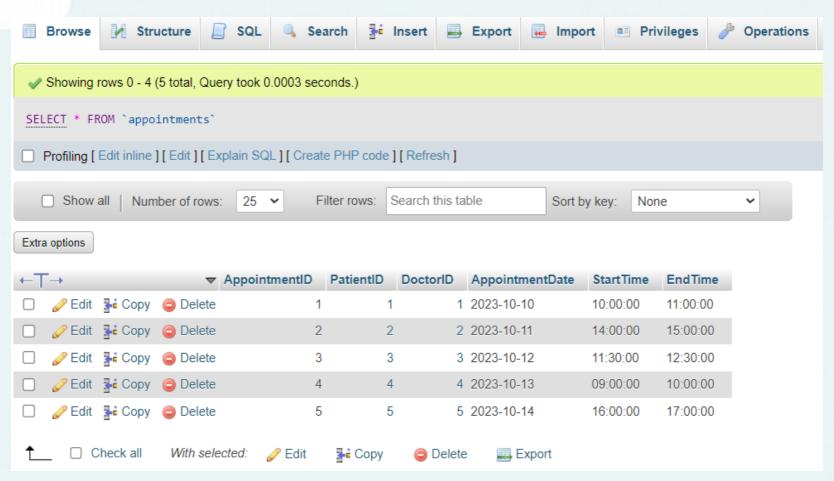


#### **Doctors Table**



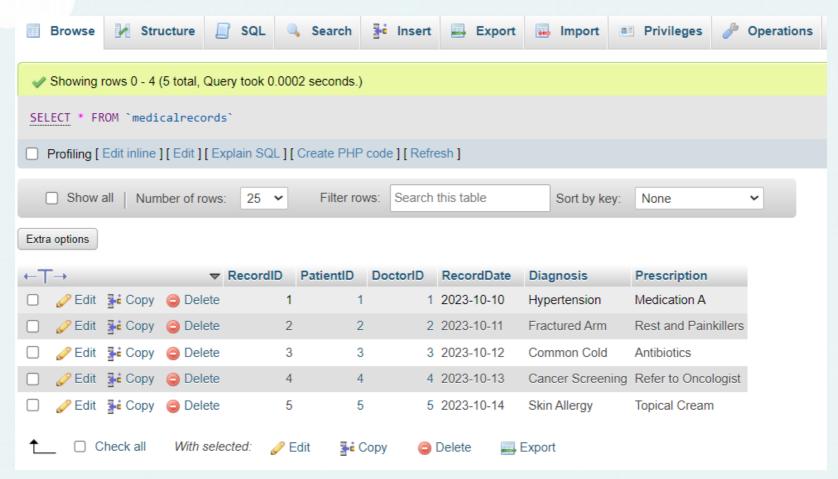


# Appointments Table



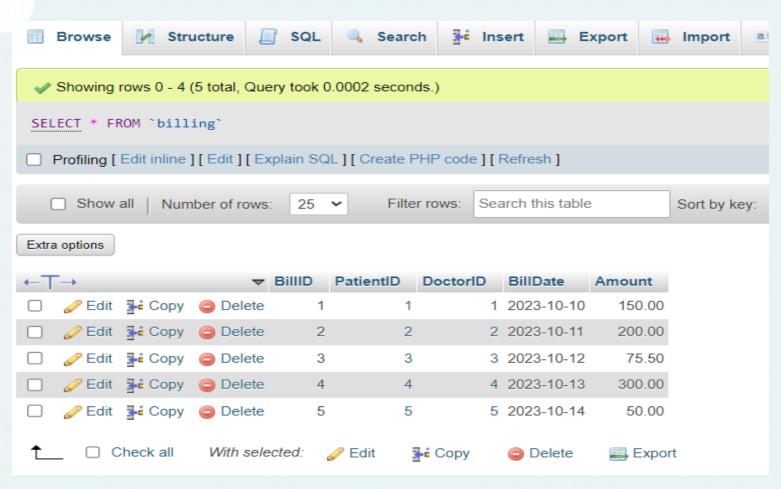


## Medical Records Table





# Billing Table





# Thank You!!

