

Tables for Hospital Management System

-- Create tables for Hospital Management System

-- PATIENT table

```
CREATE TABLE PATIENT (  
    patient_id INT PRIMARY KEY,  
    name VARCHAR(100) NOT NULL,  
    date_of_birth DATE NOT NULL,  
    age INT,  
    phone_number VARCHAR(20),  
    gender VARCHAR(10),  
    disease VARCHAR(200),  
    checkup_date DATE  
);
```

-- DOCTOR table

```
CREATE TABLE DOCTOR (  
    doctor_id INT PRIMARY KEY,  
    name VARCHAR(100) NOT NULL,  
    qualification VARCHAR(200),  
    specialization VARCHAR(100),  
    contact_number VARCHAR(20)  
);
```

-- INPATIENT table (subclass of PATIENT)

```
CREATE TABLE INPATIENT (  
    patient_id INT PRIMARY KEY,  
    admission_date DATE NOT NULL,  
    discharge_date DATE,  
    ward_id INT,  
    FOREIGN KEY (patient_id) REFERENCES PATIENT(patient_id),  
    FOREIGN KEY (ward_id) REFERENCES WARD(ward_id)  
);
```

-- OUTPATIENT table (subclass of PATIENT)

```
CREATE TABLE OUTPATIENT (  
    patient_id INT PRIMARY KEY,
```

```
visit_date DATE NOT NULL,  
next_appointment_date DATE,  
treatment_details VARCHAR(500),  
FOREIGN KEY (patient_id) REFERENCES PATIENT(patient_id)  
);
```

-- WARD table

```
CREATE TABLE WARD (  
ward_id INT PRIMARY KEY,  
ward_name VARCHAR(50) NOT NULL,  
ward_type VARCHAR(50),  
capacity INT,  
status VARCHAR(20),  
charge_per_day FLOAT  
);
```

-- NURSE table

```
CREATE TABLE NURSE (  
nurse_id INT PRIMARY KEY,  
name VARCHAR(100) NOT NULL,  
qualification VARCHAR(200),  
contact_number VARCHAR(20),  
shift VARCHAR(20),  
ward_id INT,  
FOREIGN KEY (ward_id) REFERENCES WARD(ward_id)  
);
```

-- Junction table for WARD and NURSE (WARD_NURSE)

```
CREATE TABLE WARD_NURSE (  
ward_id INT,  
nurse_id INT,  
assignment_date DATE NOT NULL,  
PRIMARY KEY (ward_id, nurse_id),  
FOREIGN KEY (ward_id) REFERENCES WARD(ward_id),  
FOREIGN KEY (nurse_id) REFERENCES NURSE(nurse_id)  
);
```

-- MEDICAL_TEST table

```
CREATE TABLE MEDICAL_TEST (  
test_id INT PRIMARY KEY,
```

```
patient_id INT,  
doctor_id INT,  
test_date DATE,  
test_name VARCHAR(100),  
test_results VARCHAR(500),  
cost FLOAT,  
FOREIGN KEY (patient_id) REFERENCES PATIENT(patient_id),  
FOREIGN KEY (doctor_id) REFERENCES DOCTOR(doctor_id)  
);
```

-- PRESCRIPTION table

```
CREATE TABLE PRESCRIPTION (  
    prescription_id INT PRIMARY KEY,  
    patient_id INT,  
    doctor_id INT,  
    medicine_name VARCHAR(100),  
    medicine_quantity INT,  
    dosage VARCHAR(100),  
    prescribed_date DATE,  
    FOREIGN KEY (patient_id) REFERENCES PATIENT(patient_id),  
    FOREIGN KEY (doctor_id) REFERENCES DOCTOR(doctor_id)  
);
```

-- Junction table for PATIENT and DOCTOR (PATIENT_DOCTOR)

```
CREATE TABLE PATIENT_DOCTOR (  
    patient_id INT,  
    doctor_id INT,  
    visit_date DATE,  
    diagnosis VARCHAR(500),  
    PRIMARY KEY (patient_id, doctor_id),  
    FOREIGN KEY (patient_id) REFERENCES PATIENT(patient_id),  
    FOREIGN KEY (doctor_id) REFERENCES DOCTOR(doctor_id)  
);
```

-- BILL table

```
CREATE TABLE BILL (  
    bill_id INT PRIMARY KEY,  
    patient_id INT,  
    doctor_id INT,  
    bill_date DATE,
```

```
doctor_fee FLOAT,  
room_charge FLOAT,  
test_charge FLOAT,  
total_amount FLOAT,  
FOREIGN KEY (patient_id) REFERENCES PATIENT(patient_id),  
FOREIGN KEY (doctor_id) REFERENCES DOCTOR(doctor_id)  
);
```