

- create database hospital;
- use hospital;
- CREATE TABLE Doctor (
 - doctor_id INT PRIMARY KEY,
 - name VARCHAR(50),
 - age INT,
 - gender VARCHAR(10),
 - address VARCHAR(100)
-);
- CREATE TABLE Patient (
 - patient_id INT PRIMARY KEY,
 - name VARCHAR(50),
 - age INT,
 - gender VARCHAR(10),
 - address VARCHAR(100),
 - disease VARCHAR(100),
 - doctor_id INT,
 - FOREIGN KEY (doctor_id) REFERENCES Doctor(doctor_id)
-);
- CREATE TABLE Bill (
 - bill_no INT PRIMARY KEY,
 - patient_id INT,
 - doctor_id INT,
 - room_charge DECIMAL(10, 2),
 - no_of_days INT,
 - FOREIGN KEY (patient_id) REFERENCES Patient(patient_id),
 - FOREIGN KEY (doctor_id) REFERENCES Doctor(doctor_id)
-);
- CREATE TABLE Laboratory (
 - lab_no INT PRIMARY KEY,
 - patient_id INT,
 - doctor_id INT,
 - lab_date DATE,
 - amount DECIMAL(10, 2),
 - FOREIGN KEY (patient_id) REFERENCES Patient(patient_id),
 - FOREIGN KEY (doctor_id) REFERENCES Doctor(doctor_id)

-);
- INSERT INTO Patient (patient_id, name, age, gender, address, disease, doctor_id)
- VALUES
- (1, 'reema', 23, 'female', 'althan, Surat', 'fever', 21),
- (2, 'kusum', 50, 'female', 'vadodara', 'heart failure', 22),
- (3, 'carlin', 43, 'male', 'vapi', 'infection', 23),
- (4, 'rahul', 26, 'male', 'navsari', 'cancer', 21),
- (6, 'hansha', 55, 'female', 'vapi', 'diabetes', 22);
- INSERT INTO Doctor (doctor_id, name, age, gender, address)
- VALUES
- (21, 'asif', 55, 'male', 'baruch'),
- (22, 'dhawal', 40, 'male', 'Surat'),
- (23, 'krishna', 39, 'female', 'Surat'),
- (24, 'lissa', 35, 'female', 'Navsari'),
- (25, 'leeba', 34, 'female', 'baruch'),
- (26, 'vini', 33, 'female', 'Surat'),
- (27, 'Dhiren', 32, 'male', 'Navsari');
- INSERT INTO Bill (bill_no, patient_id, doctor_id, room_charge, no_of_days)
- VALUES
- (5005, 1, 21, 500, 4),
- (5006, 2, 22, 600, 8),
- (5008, 3, 23, 800, 3),
- (5009, 4, 21, 780, 6),
- (5010, 3, 24, 400, 1),
- (5011, 1, 25, 200, 1),
- (5012, 2, 22, 600, 2),
- (5013, 3, 25, 330, 1),
- (5014, 1, 23, 230, 2);
- INSERT INTO Laboratory (lab_no, patient_id, doctor_id, lab_date, amount)
- VALUES
- (10, 1, 21, '2000-02-02', 4000),
- (20, 2, 21, '2001-09-09', 300),
- (30, 3, 22, '2001-03-03', 600),
- (40, 1, 23, '2002-02-06', 800),
- (50, 4, 21, '2003-05-07', 900),
- (60, 2, 25, '2004-10-04', 550),

- (70, 4, 22, '2005-03-04', 900);
- select * from patient;
- -- 1. Write SQL stored procedure to retrieve all patient records
- delimiter //
- create procedure patient_data()
- begin
- select * from patient;
- end //
- delimiter ;
- call patient_data();
- -- 2. Write SQL store procedure to display female patient data
- delimiter //
- create procedure f_patients()
- begin
- select * from patient where gender = 'female';
- end //
- delimiter ;
- call f_patients();
- -- 3. Write SQL Stored procedure to insert a new record in patient table
- delimiter //
- create procedure add_records(p_id int, p_name varchar(20), p_age int, p_gender varchar(20), p_address varchar(20), p_disease varchar(20), p_dr_id int)
- begin
- insert into patient (patient_id, name, age, gender, address, disease, doctor_id) values(p_id, p_name, p_age, p_gender, p_address, p_disease, p_dr_id);
- end //
- delimiter ;
- call add_records(5, 'onkar', 24, 'male', 'thane', 'bodypain', 22);
-
- select * from laboratory;
- -- 4. Write SQL Stored procedure to retrieve patient information with lab report data with default patient id as 1
- delimiter //
- create procedure report(in p_id int)
- begin

- `select * from patient as p inner join laboratory as L on p.patient_id = L.patient_id`
`where p.patient_id = p_id;`
- `end //`
- `delimiter ;`
- `call report(1);`
- `-- 5. Write SQL Stored Procedure to retrieve total laboratory bill amount of patient`
`whose patient_id pass as parameter`
- `delimiter //`
- `create procedure total_bill1(p_id int)`
- `begin`
- `select patient_id, sum(room_charge) from bill where p_id = patient_id group by`
`patient_id;`
- `end //`
- `delimiter ;`
- `call total_bill1(2);`
- `-- OR`
- `delimiter //`
- `create procedure total_bill3(p_id int)`
- `begin`
- `select p.patient_id, p.name, sum(room_charge) as total_bill from bill as b inner join`
`patient as p on b.patient_id = p.patient_id`
- `where p_id = p.patient_id group by p.patient_id;`
- `end //`
- `delimiter ;`
- `call total_bill3(2);`