CREATE DATABASE Hotel\_chain\_management\_system;

USE Hotel\_chain\_management\_system;

CREATE TABLE Hotel (

hotel\_code INT NOT NULL PRIMARY KEY,

hotel\_name VARCHAR(250),

city VARCHAR(250),

number\_of\_rooms INT,

star\_rating FLOAT

);

CREATE TABLE Rooms (

room\_num INT NOT NULL PRIMARY KEY,

room\_type VARCHAR(250),

price\_per\_night INT,

availability\_status VARCHAR(250),

hotel\_id INT,

FOREIGN KEY(hotel\_id) REFERENCES Hotel(hotel\_code)

);

CREATE TABLE Guest (

guest\_ID INT NOT NULL PRIMARY KEY,

guest\_name VARCHAR(250),

loyalty\_level VARCHAR(250)

);

CREATE TABLE Bookings (

booking\_id INT NOT NULL PRIMARY KEY,

guest\_id INT,

room\_id INT,

check\_in DATETIME,

check\_out DATETIME,

total\_bill FLOAT,

FOREIGN KEY(guest\_id) REFERENCES Guest(guest\_ID),

FOREIGN KEY(room\_id) REFERENCES Rooms(room\_num)

);

CREATE TABLE Roles (

role\_id INT NOT NULL PRIMARY KEY,

role\_name VARCHAR(250)

);

CREATE TABLE Employee (

employee\_ID INT NOT NULL PRIMARY KEY,

emp\_name VARCHAR(250),

role\_id INT,

hotel\_assigned INT,

shift\_details VARCHAR(250),

FOREIGN KEY(role\_id) REFERENCES Roles(role\_id),

FOREIGN KEY(hotel\_assigned) REFERENCES Hotel(hotel\_code)

);

CREATE TABLE Feedback (

ffeedback\_id INT NOT NULL PRIMARY KEY,

booking\_id INT,

comments VARCHAR(250),

rating FLOAT,

FOREIGN KEY(booking\_id) REFERENCES Bookings(booking\_id)

);

-- Now insert data, without duplicates and with corrected columns

INSERT INTO Hotel (hotel\_code, hotel\_name, city, number\_of\_rooms, star\_rating) VALUES

(101, 'Grand Plaza', 'New York', 150, 4.5),

(102, 'Ocean View Resort', 'Miami', 120, 4.2),

(103, 'Mountain Retreat', 'Denver', 80, 4.8),

(104, 'City Center Inn', 'Chicago', 100, 4.0),

(105, 'Sunset Motel', 'Los Angeles', 60, 3.5),

(106, 'Lakeside Hotel', 'Orlando', 90, 4.3),

(107, 'Downtown Suites', 'San Francisco', 110, 4.7);

INSERT INTO Rooms (room\_num, room\_type, price\_per\_night, availability\_status, hotel\_id) VALUES

(1, 'Single', 100, 'Available', 101),

(2, 'Double', 150, 'Booked', 101),

(3, 'Suite', 300, 'Available', 101),

(101, 'Single', 90, 'Available', 102),

(102, 'Double', 140, 'Booked', 102),

(201, 'Suite', 350, 'Available', 103),

(202, 'Double', 160, 'Booked', 103),

(301, 'Single', 80, 'Available', 104),

(302, 'Suite', 250, 'Booked', 104),

(401, 'Double', 120, 'Available', 105),

(402, 'Single', 70, 'Available', 105),

(501, 'Suite', 400, 'Booked', 106),

(502, 'Double', 130, 'Available', 106),

(601, 'Single', 150, 'Booked', 107);

INSERT INTO Guest (guest\_ID, guest\_name, loyalty\_level) VALUES

(1, 'Alice Johnson', 'Gold'),

(2, 'Bob Smith', 'Silver'),

(3, 'Charlie Brown', 'Platinum'),

(4, 'Diana Prince', 'Gold'),

(5, 'Ethan Hunt', 'Silver'),

(6, 'Fiona Gallagher', 'Gold'),

(7, 'George Michael', 'Bronze');

INSERT INTO Bookings (booking\_id, guest\_id, room\_id, check\_in, check\_out, total\_bill) VALUES

(1001, 1, 2, '2025-06-10 15:00:00', '2025-06-15 11:00:00', 750.0),

(1002, 2, 102, '2025-06-12 14:00:00', '2025-06-14 10:00:00', 280.0),

(1003, 3, 201, '2025-07-01 16:00:00', '2025-07-05 11:00:00', 1400.0),

(1004, 4, 302, '2025-07-10 15:00:00', '2025-07-12 11:00:00', 500.0),

(1005, 5, 401, '2025-06-20 13:00:00', '2025-06-22 11:00:00', 240.0),

(1006, 6, 501, '2025-07-15 14:00:00', '2025-07-18 11:00:00', 1200.0),

(1007, 7, 601, '2025-08-01 16:00:00', '2025-08-04 11:00:00', 450.0);

INSERT INTO Roles (role\_id, role\_name) VALUES

(1, 'Manager'),

(2, 'Receptionist'),

(3, 'Housekeeping'),

(4, 'Chef'),

(5, 'Security'),

(6, 'Maintenance'),

(7, 'Concierge');

INSERT INTO Employee (employee\_ID, emp\_name, role\_id, hotel\_assigned, shift\_details) VALUES

(501, 'John Doe', 1, 101, 'Morning Shift'),

(502, 'Emma Stone', 2, 102, 'Evening Shift'),

(503, 'Michael Clarke', 3, 103, 'Night Shift'),

(504, 'Sophie Turner', 4, 104, 'Morning Shift'),

(505, 'David Miller', 5, 105, 'Night Shift'),

(506, 'Olivia Brown', 6, 106, 'Evening Shift'),

(507, 'Liam Wilson', 7, 107, 'Morning Shift');

INSERT INTO Feedback (ffeedback\_id, booking\_id, comments, rating) VALUES

(9001, 1001, 'Very comfortable stay and friendly staff.', 4.8),

(9002, 1002, 'Great location but room was a bit noisy.', 3.9),

(9003, 1003, 'Loved the view and the suite was spacious.', 5.0),

(9004, 1004, 'Good service but food could improve.', 4.0),

(9005, 1005, 'Nice and cozy, would visit again.', 4.2),

(9006, 1006, 'Excellent amenities and staff.', 4.9),

(9007, 1007, 'Room was clean but a bit small.', 3.8);

