**COMMANDS FOR CREATING TABLES AND INSERTING THE RECORDS :**

CREATE DATABASE Ticket\_System;

USE Ticket\_System;

CREATE TABLE Venue (

venue\_id INT PRIMARY KEY AUTO\_INCREMENT,

venue\_name VARCHAR(255) NOT NULL,

address TEXT

);

CREATE TABLE Event (

event\_id INT PRIMARY KEY AUTO\_INCREMENT,

event\_name VARCHAR(255) NOT NULL,

event\_date DATE NOT NULL,

event\_time TIME NOT NULL,

venue\_id INT,

total\_seats INT NOT NULL,

available\_seats INT NOT NULL,

ticket\_price DECIMAL(10,2) NOT NULL,

event\_type ENUM('Movie', 'Sports', 'Concert') NOT NULL,

FOREIGN KEY (venue\_id) REFERENCES Venue(venue\_id) ON DELETE CASCADE

);

CREATE TABLE Customer (

customer\_id INT PRIMARY KEY AUTO\_INCREMENT,

customer\_name VARCHAR(255) NOT NULL,

email VARCHAR(255) UNIQUE NOT NULL,

phone\_number VARCHAR(15) NOT NULL

);

CREATE TABLE Booking (

booking\_id INT PRIMARY KEY AUTO\_INCREMENT,

customer\_id INT,

event\_id INT,

num\_tickets INT NOT NULL,

total\_cost DECIMAL(10,2) NOT NULL,

booking\_date TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

FOREIGN KEY (customer\_id) REFERENCES Customer(customer\_id) ON DELETE CASCADE,

FOREIGN KEY (event\_id) REFERENCES Event(event\_id) ON DELETE CASCADE

);

INSERT INTO Event (event\_id, event\_name, event\_date, event\_time, ticket\_price, available\_tickets, venue\_capacity)

VALUES

(1, 'Rock Concert', '2025-05-15', '18:00:00', 2000, 50, 20000),

(2, 'Jazz Night', '2025-06-10', '19:30:00', 1500, 30, 12000),

(3, 'Football Cup', '2025-07-20', '17:00:00', 1800, 100, 18000),

(4, 'Music Festival', '2025-08-05', '20:00:00', 2500, 20, 25000),

(5, 'Comedy Show', '2025-09-12', '16:00:00', 1200, 60, 10000),

(6, 'Movie Premiere', '2025-10-25', '21:00:00', 1600, 40, 15000),

(7, 'Basketball Championship', '2025-11-08', '19:00:00', 2200, 80, 17000),

(8, 'Cricket Cup', '2025-12-14', '15:00:00', 1900, 70, 22000),

(9, 'Magic Show', '2026-01-18', '18:30:00', 1300, 90, 8000),

(10, 'Tech Expo', '2026-02-22', '10:00:00', 1100, 25, 14000);

SELECT \* FROM Event;

INSERT INTO Customer (customer\_id, customer\_name, phone\_number, email) VALUES

(1, 'John Doe', '9876543000', 'john@example.com'),

(2, 'Jane Smith', '9876543100', 'jane@example.com'),

(3, 'David Miller', '9876543200', 'david@example.com'),

(4, 'Emma Wilson', '9876543300', 'emma@example.com'),

(5, 'Michael Brown', '9876543400', 'michael@example.com'),

(6, 'Sophia Davis', '9876543500', 'sophia@example.com'),

(7, 'Chris Johnson', '9876543600', 'chris@example.com'),

(8, 'Olivia Martinez', '9876543700', 'olivia@example.com'),

(9, 'Daniel Taylor', '9876543800', 'daniel@example.com'),

(10, 'Sarah Anderson', '9876543900', 'sarah@example.com');

SELECT \* FROM Customer;

INSERT INTO Venue (venue\_id, venue\_name, address) VALUES

(1, 'Grand Arena', '123 Main Street, New York'),

(2, 'Skyline Stadium', '456 Elm Street, Chicago'),

(3, 'Sunshine Auditorium', '789 Broadway, Los Angeles'),

(4, 'Central Park Hall', '321 Pine Street, Houston'),

(5, 'Metropolitan Hall', '567 Oak Street, San Francisco'),

(6, 'Ocean View Stadium', '876 Beach Avenue, Miami'),

(7, 'Golden Dome', '234 Maple Avenue, Seattle'),

(8, 'Starlight Theater', '432 Willow Road, Dallas'),

(9, 'Majestic Square', '654 Cedar Lane, Boston'),

(10, 'Silver Stage', '987 Birch Road, Philadelphia');

SELECT \* FROM Venue;

INSERT INTO Booking (booking\_id, customer\_id, event\_id, booked\_tickets, num\_tickets, booking\_date) VALUES

(1, 3, 3, 5, 5, '2025-06-01'),

(2, 3, 3, 5, 5, '2025-07-10'),

(3, 3, 7, 3, 3, '2025-08-15'),

(4, 4, 8, 4, 4, '2025-09-05'),

(5, 4, 9, 2, 2, '2025-10-22'),

(6, 7, 8, 7, 7, '2025-11-30'),

(7, 7, 7, 8, 8, '2025-12-10'),

(8, 9, 9, 3, 3, '2026-01-05'),

(9, 9, 6, 2, 2, '2026-02-15'),

(10, 10, 10, 5, 5, '2026-03-25');