CASE_STUDY

LIST OF TABLES: 1. User table

- 2. Train table
- 3. Ticket table
- 4. Booking table

1.USER TABLE –

```
1 • use case_study;
      -- Create the USER table
3 • ⊖ CREATE TABLE USER (
         UserId INT PRIMARY KEY,
          UserName VARCHAR(255),
         Age INT,
          Gender VARCHAR(10),
8
          Phone VARCHAR(15),
9
          Address VARCHAR(255)
10
11 -- Insert sample values into the USER table
12 • INSERT INTO USER (UserId, UserName, Age, Gender, Phone, Address)
13
       (1, 'kavya', 30, 'Male', '123-456-7890', '123 Main St'),
14
        (2, 'thanya', 25, 'Female', '987-654-3210', '456 Elm St');
15
16
17 • select * from USER;
```

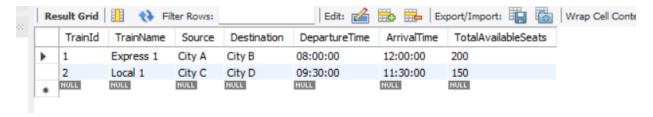
Output-

1 kavya 30 Male 123-456-7890 123 Main St 2 thanya 25 Female 987-654-3210 456 Elm St	UserId U	UserName	Age	Gender	Phone	Address
	▶ 1 ka	avya 3	30	Male	123-456-7890	123 Main St
	2 th	hanya 2	25	Female	987-654-3210	456 Elm St
NOLL NOLL NOLL NOLL NOLL	* NOTE N	ULL N	HULL	NULL	NULL	NULL

2. TRAIN TABLE -

```
19 • G CREATE TABLE TRAIN (
20
           TrainId INT PRIMARY KEY,
21
           TrainName VARCHAR(255),
           Source VARCHAR(255),
22
23
           Destination VARCHAR(255),
           DepartureTime TIME,
24
           ArrivalTime TIME,
           TotalAvailableSeats INT
25
       -- Insert sample values into the TRAIN table
28
29 •
       INSERT INTO TRAIN (TrainId, TrainName, Source, Destination, DepartureTime, ArrivalTime, TotalAvailableSea
       VALUES
30
31
            (1, 'Express 1', 'City A', 'City B', '08:00:00', '12:00:00', 200),
32
           (2, 'Local 1', 'City C', 'City D', '09:30:00', '11:30:00', 150);
33
      select * from TRAIN;
```

Output:



3. TICKET TABLE -

```
37 • ⊖ CREATE TABLE TICKET (
38
           TicketId INT PRIMARY KEY,
           UserId INT,
39
40
           TrainId INT,
           PNRNumber VARCHAR(20),
           TravelDate DATE,
42
           TotalFare DECIMAL(10, 2),
43
           FOREIGN KEY (UserId) REFERENCES USER(UserId),
           FOREIGN KEY (TrainId) REFERENCES TRAIN(TrainId)
45
46
47
       -- Insert sample values into the TICKET table
       INSERT INTO TICKET (TicketId, UserId, TrainId, PNRNumber, TravelDate, TotalFare)
48 •
49
           (1, 1, 1, 'ABC123', '2023-11-15', 50.00),
50
           (2, 2, 2, 'XYZ456', '2023-11-20', 35.50);
51
53 •
      select * from TICKET;
```

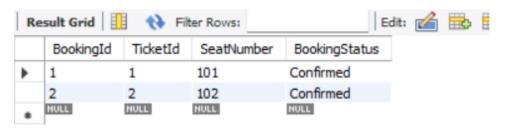
Output:



4. BOOKING TABLE -

```
-- Create the BOOKING table
55 ● ⊖ CREATE TABLE BOOKING (
           BookingId INT PRIMARY KEY,
57
           TicketId INT,
          SeatNumber INT,
           BookingStatus VARCHAR(20),
           FOREIGN KEY (TicketId) REFERENCES TICKET(TicketId)
60
61
62
       -- Insert sample values into the BOOKING table
     INSERT INTO BOOKING (BookingId, TicketId, SeatNumber, BookingStatus)
       VALUES
65
66
          (1, 1, 101, 'Confirmed'),
           (2, 2, 102, 'Confirmed');
69 • select * from BOOKING;
```

Output:



ER-Diagram generated in Mysql Workbench:

