

Table name: Passengers

Description: Stores passenger personal and travel details.

CREATE SQL TABLE:

```
CREATE TABLE Passengers (  
    passenger_id NUMBER primary KEY,  
    first_name VARCHAR2(50) NOT NULL,  
    last_name VARCHAR2(50) NOT NULL,  
    email VARCHAR2(100) UNIQUE NOT NULL,  
    phone_number VARCHAR2(20),  
    passport_number VARCHAR2(20) UNIQUE NOT NULL,  
    nationality VARCHAR2(50),  
    date_of_birth DATE NOT NULL,  
    gender VARCHAR2(10) NOT NULL CHECK (gender IN ('Male', 'Female', 'Other'))  
);
```

INSERT SQL:

```
INSERT INTO Passengers (first_name, last_name, email, phone_number, passport_number, nationality,  
date_of_birth, gender)  
VALUES  
    ('Amy', 'Lynn', 'Amy.lynn@gmail.com', '092-456-7890', 'A1234567', 'USA', TO_DATE('1990-05-12', 'YYYY-MM-DD'), 'Female'),  
    ('James', 'Austin', 'James.austin@gmail.com', '518-999-9999', 'A2121212', 'Canada', TO_DATE('1995-11-27', 'YYYY-MM-DD'), 'Male'),  
    ('Michael', 'Johnson', 'Michael.johnson@gmail.com', '555-123-4567', 'P3456789', 'Canada', TO_DATE('1982-03-10', 'YYYY-MM-DD'), 'Male'),  
    ('Emily', 'Davis', 'Emily.davis@gmail.com', '444-987-6555', 'P4567890', 'Australia', TO_DATE('1992-07-30', 'YYYY-MM-DD'), 'Female'),  
    ('Chris', 'Williams', 'Chris.williams@gmail.com', '333-666-7777', 'P5678901', 'USA', TO_DATE('1980-12-05', 'YYYY-MM-DD'), 'Male'),  
    ('Sophia', 'Miller', 'Sophia.miller@gmail.com', '222-333-4444', 'P6789012', 'UK', TO_DATE('1995-06-18', 'YYYY-MM-DD'), 'Female'),  
    ('Daniel', 'Garcia', 'Daniel.garcia@gmail.com', '555-789-1234', 'P7890123', 'Mexico', TO_DATE('1987-09-25', 'YYYY-MM-DD'), 'Male'),
```

```
('Olivia', 'Martinez', 'Olivia.martinez@gmail.com', '666-888-9999', 'P8901234', 'Mexico', TO_DATE('1993-11-02',
'YYYY-MM-DD'), 'Female'),
('Ethan', 'Rodriguez', 'Ethan.rodriguez@gmail.com', '777-555-1111', 'P9012345', 'Brazil', TO_DATE('1989-04-12',
'YYYY-MM-DD'), 'Male'),
('Ava', 'Hernandez', 'Ava.hernandez@gmail.com', '888-444-2222', 'A0123456', 'USA', TO_DATE('1998-02-20',
'YYYY-MM-DD'), 'Female');
```

Table name: Flights

Description: Stores flight details, including arrival/departure times

CREATE SQL TABLE:

```
CREATE TABLE Flights (
  flight_id NUMBER primary KEY,
  flight_number VARCHAR2(20) UNIQUE NOT NULL,
  departure_airport VARCHAR2(50) NOT NULL,
  arrival_airport VARCHAR2(50) NOT NULL,
  departure_time DATE NOT NULL,
  arrival_time DATE NOT NULL,
  airline VARCHAR2(50) NOT NULL,
);
```

INSERT SQL:

```
INSERT INTO flights (flight_number, departure_airport, arrival_airport, departure_time, arrival_time, airline)
VALUES
```

```
('AA123', 'JFK', 'LAX', TO_DATE('2025-04-02 08:00:00', 'YYYY-MM-DD HH24:MI:SS'), TO_DATE('2025-04-02
11:30:00', 'YYYY-MM-DD HH24:MI:SS'), 'American Airlines'),
```

```
('DL456', 'ATL', 'ORD', TO_DATE('2025-04-03 10:15:00', 'YYYY-MM-DD HH24:MI:SS'), TO_DATE('2025-04-03
12:45:00', 'YYYY-MM-DD HH24:MI:SS'), 'Delta Airlines'),
```

```
('UA789', 'ORD', 'SFO', TO_DATE('2025-04-04 14:00:00', 'YYYY-MM-DD HH24:MI:SS'), TO_DATE('2025-04-04
17:30:00', 'YYYY-MM-DD HH24:MI:SS'), 'United Airlines'),
```

('SW321', 'DEN', 'SEA', TO_DATE('2025-04-05 09:30:00', 'YYYY-MM-DD HH24:MI:SS'), TO_DATE('2025-04-05 12:00:00', 'YYYY-MM-DD HH24:MI:SS'), 'Southwest Airlines'),

('BA654', 'LHR', 'JFK', TO_DATE('2025-04-06 16:45:00', 'YYYY-MM-DD HH24:MI:SS'), TO_DATE('2025-04-06 20:15:00', 'YYYY-MM-DD HH24:MI:SS'), 'British Airways'),

('AF987', 'CDG', 'ATL', TO_DATE('2025-04-07 13:20:00', 'YYYY-MM-DD HH24:MI:SS'), TO_DATE('2025-04-07 17:50:00', 'YYYY-MM-DD HH24:MI:SS'), 'Air France'),

('EK555', 'DXB', 'LAX', TO_DATE('2025-04-08 23:55:00', 'YYYY-MM-DD HH24:MI:SS'), TO_DATE('2025-04-09 14:10:00', 'YYYY-MM-DD HH24:MI:SS'), 'Emirates'),

('QR888', 'DOH', 'JFK', TO_DATE('2025-04-09 01:45:00', 'YYYY-MM-DD HH24:MI:SS'), TO_DATE('2025-04-09 07:30:00', 'YYYY-MM-DD HH24:MI:SS'), 'Qatar Airways'),

('LH777', 'FRA', 'ORD', TO_DATE('2025-04-10 18:30:00', 'YYYY-MM-DD HH24:MI:SS'), TO_DATE('2025-04-10 22:15:00', 'YYYY-MM-DD HH24:MI:SS'), 'Lufthansa'),

('JL999', 'NRT', 'SFO', TO_DATE('2025-04-11 12:00:00', 'YYYY-MM-DD HH24:MI:SS'), TO_DATE('2025-04-11 05:15:00', 'YYYY-MM-DD HH24:MI:SS'), 'Japan Airlines');

Table Name: Bookings

Description: Tracking ticket bookings

CREATE TABLE SQL:

```
CREATE TABLE bookings(  
    Ticket_id INT GENERATED ALWAYS AS IDENTITY,  
    Passenger_id INT NOT NULL,  
    flight_id INT NOT NULL,  
    customer_name varchar(100) NOT NULL,  
    seat_number varchar(100),  
    total_price DECIMAL(10,2) NOT NULL,  
    payment_status varchar(20) NOT NULL,  
    booking_status varchar(20) NOT NULL,  
  
    CONSTRAINT bookngs_pk PRIMARY KEY(ticket_id)  
);
```

INSERT SQL:

```
INSERT INTO bookings (passenger_id, flight_id, customer_name, seat_number,
total_price, payment_status, booking_status)
VALUES

('2345','12567','Sarah Green','12a','250','paid','confirmed'),

('2346','12567','John Green','12b','250','paid','confirmed'),

('2347','12356','Nicole James','8a','350','pending','unconfirmed'),

('2348','12356','Tracey James','8b','350','paid','confirmed'),

('2349','11345','Rachel Win','12a','100','paid','confirmed'),

('2350','11345','Darwin Win','12b','100','paid','confirmed'),

('2351','11523','Dustin Durg','1a','500','pending','Unconfirmed'),

('2352','11523','Jayme Dun','1b','500','pending','Unconfirmed'),

('2353','12456','Janessa James','20a','50','paid','confirmed'),

('2354','12456','Taja James','20b','50','paid','confirmed');
```

DATA DICTIONARY:

Column Name	Data Type	Constraints	Description	Sample Value
passenger_id	NUMBER	PRIMARY KEY	Unique ID for each passenger	1
first_name	VARCHAR2(50)	NOT NULL	Passenger's first name	Amy
last_name	VARCHAR2(50)	NOT NULL	Passenger's last name	Lynn
email	VARCHAR2(100)	UNIQUE, NOT NULL	Passenger's email (must be unique)	Amy.lynn@gmail.com
phone_number	VARCHAR2(20)	NOT NULL	Passenger's contact number	092-456-7890
passport_number	VARCHAR2(20)	UNIQUE, NOT NULL	Unique passport number	A1234567
nationality	VARCHAR2(50)	NOT NULL	Country of citizenship	USA
date_of_birth	DATE	NOT NULL	Passenger's birth date	1990-05-12
gender	VARCHAR2(10)	NOT NULL, CHECK (gender IN ('Male', 'Female', 'Other'))	Restricts values to 'Male', 'Female', or 'Other'	Female

Column Name	Data Type	Constraints	Description	Sample Value
flight_id	NUMBER	PRIMARY KEY	Unique ID for each flight	1
Flight_number	VARCHAR2(20)	UNIQUE, NOT NULL	Airline flight number	'AA123'
departure_airport	VARCHAR2(50)	NOT NULL	Flights departure Airport	'JFK'
arrival_airport	VARCHAR2(50)	NOT NULL	Flights arrival airport	'LAX'
departure_time	DATE	NOT NULL	Scheduled Depart Time	2025-04-02/08:00:00
arrival_time	VARCHAR2(20)	NOT NULL	Scheduled Arrival Time	2025-04-03/03:50:00
airline	VARCHAR2(50)	NOT NULL	Airline operating the flight	'American Airlines'

Column Name	Data Type	Settings	Description	Sample Value
ticket_id	INT	IDENTIFY, PK Not null	Unique identifier for each booking	35
passenger_id	INT	FK to passenger.passenger_id	Unique identifier for the passenger making the booking	2345
flight_id	INT	Not null	Unique identifier for the flight	12435
customer_name	varchar2(100)	Not null	The customers name who booked the flight	Tyana James
seat_number	varchar2(100)		Seat number assigned for the booking	11A
total_price	DECIMAL	Not null	The total price for the booking	250
payment_status	varchar2(20)	Not null	The status of the payment	Paid
booking_status	varchar2(20)	Not null	The status of the booking	Confirmed