**Airlines**

**1.Create tables for airport:**

CREATE TABLE AIRPORT (

A\_NAME VARCHAR(100),

CITY VARCHAR(100),

COUNTRY VARCHAR(100),

CODE VARCHAR(10) PRIMARY KEY

);

**2.Create tables for passenger:**

CREATE TABLE PASSENGER (

P\_ID INT PRIMARY KEY,

NAME VARCHAR(100),

NATIONALITY VARCHAR(50),

PASSPORT\_NO VARCHAR(20),

LANGUAGE\_WEIGHT INT

);

**3.Create tables for pilot:**

CREATE TABLE PILOT (

PILOT\_ID INT PRIMARY KEY,

NAME VARCHAR(100),

LICENSE\_NO VARCHAR(50),

AIRLINE\_ID VARCHAR(50),

MARITAL\_STATUS VARCHAR(10),

SALARY DECIMAL(10, 2),

DEPT VARCHAR(50)

);

**4.Create tables for flight:**

CREATE TABLE FLIGHT (

FLIGHT\_NO VARCHAR(10) PRIMARY KEY,

DEPARTURE\_AIRPORT VARCHAR(10),

ARRIVAL\_TIME DATETIME,

TAKEOFF\_TIME DATETIME,

FLIGHT\_TYPE VARCHAR(50),

FOREIGN KEY (DEPARTURE\_AIRPORT) REFERENCES AIRPORT(CODE)

);

**5.Create tables for ticket:**

CREATE TABLE TICKET (

T\_NUM INT PRIMARY KEY,

PASSENGER\_ID INT,

SEAT\_NUM VARCHAR(10),

CLASS VARCHAR(10),

PRICE DECIMAL(10, 2),

BOOKING\_TIME DATETIME,

FOREIGN KEY (PASSENGER\_ID) REFERENCES PASSENGER(P\_ID)

);

**1.Insert data into AIRPORT:**

INSERT INTO AIRPORT (A\_NAME, CITY, COUNTRY, CODE) VALUES

('Heathrow Airport', 'London', 'UK', 'LHR'),

('JFK International Airport', 'New York', 'USA', 'JFK'),

('Tokyo Haneda Airport', 'Tokyo', 'Japan', 'HND'),

('Sydney Airport', 'Sydney', 'Australia', 'SYD'),

('Dubai International Airport', 'Dubai', 'UAE', 'DXB'),

('Paris Charles de Gaulle', 'Paris', 'France', 'CDG'),

('Hong Kong International Airport', 'Hong Kong', 'China', 'HKG'),

('Los Angeles International Airport', 'Los Angeles', 'USA', 'LAX');

**2.Insert data into PASSENGER:**

INSERT INTO PASSENGER (P\_ID, NAME, NATIONALITY, PASSPORT\_NO, LANGUAGE\_WEIGHT) VALUES

(1, 'John Doe', 'American', 'A12345678', 3),

(2, 'Jane Smith', 'British', 'B23456789', 2),

(3, 'Akira Tanaka', 'Japanese', 'C34567890', 4),

(4, 'Emily Johnson', 'Canadian', 'D45678901', 1),

(5, 'Omar Khaled', 'Egyptian', 'E56789012', 5),

(6, 'Sophia Miller', 'Australian', 'F67890123', 2),

(7, 'Hugo Dubois', 'French', 'G78901234', 3),

(8, 'Li Wei', 'Chinese', 'H89012345', 4);

**3.Insert data into PILOT:**

INSERT INTO PILOT (PILOT\_ID, NAME, LICENSE\_NO, AIRLINE\_ID, MARITAL\_STATUS, SALARY, DEPT) VALUES

(1, 'Captain Smith', 'LIC001', 'AA', 'Married', 75000.00, 'Flight Operations'),

(2, 'First Officer Brown', 'LIC002', 'AA', 'Single', 60000.00, 'Flight Operations'),

(3, 'Captain Wang', 'LIC003', 'JAL', 'Married', 80000.00, 'Flight Operations'),

(4, 'First Officer Lee', 'LIC004', 'JAL', 'Single', 65000.00, 'Flight Operations'),

(5, 'Captain Johnson', 'LIC005', 'Qantas', 'Married', 78000.00, 'Flight Operations'),

(6, 'First Officer Davis', 'LIC006', 'Qantas', 'Single', 62000.00, 'Flight Operations'),

(7, 'Captain Dubois', 'LIC007', 'Air France', 'Married', 77000.00, 'Flight Operations'),

(8, 'First Officer Martin', 'LIC008', 'Air France', 'Single', 63000.00, 'Flight Operations');

**4.Insert data into FLIGHT:**

INSERT INTO FLIGHT (FLIGHT\_NO, DEPARTURE\_AIRPORT, ARRIVAL\_TIME, TAKEOFF\_TIME, FLIGHT\_TYPE) VALUES

('AA123', 'JFK', '2024-09-15 12:00:00', '2024-09-15 08:00:00', 'International'),

('JAL456', 'HND', '2024-09-16 14:00:00', '2024-09-16 10:00:00', 'International'),

('QF789', 'SYD', '2024-09-17 16:00:00', '2024-09-17 12:00:00', 'International'),

('AF101', 'CDG', '2024-09-18 18:00:00', '2024-09-18 14:00:00', 'International'),

('HKG202', 'HKG', '2024-09-19 20:00:00', '2024-09-19 16:00:00', 'International'),

('LAX303', 'LAX', '2024-09-20 22:00:00', '2024-09-20 18:00:00', 'International'),

('LHR404', 'LHR', '2024-09-21 23:00:00', '2024-09-21 19:00:00', 'International'),

('DXB505', 'DXB', '2024-09-22 01:00:00', '2024-09-21 21:00:00', 'International');

**5. Insert data into TICKET:**

INSERT INTO TICKET (T\_NUM, PASSENGER\_ID, SEAT\_NUM, CLASS, PRICE, BOOKING\_TIME) VALUES

(1001, 1, '12A', 'Economy', 350.00, '2024-09-01 09:00:00'),

(1002, 2, '15B', 'Business', 650.00, '2024-09-02 10:00:00'),

(1003, 3, '20C', 'First', 1200.00, '2024-09-03 11:00:00'),

(1004, 4, '22D', 'Economy', 300.00, '2024-09-04 12:00:00'),

(1005, 5, '25E', 'Economy', 330.00, '2024-09-05 13:00:00'),

(1006, 6, '30F', 'Business', 700.00, '2024-09-06 14:00:00'),

(1007, 7, '35G', 'First', 1300.00, '2024-09-07 15:00:00'),

(1008, 8, '40H', 'Economy', 340.00, '2024-09-08 16:00:00');