Airport table:
	airport_code	name	city	state
1	CAI	Cairo International Airport	Cairo	Egypt
2	DXB	Dubai International Airport	Dubai	UAE
3	JED	King Abdulaziz Airport	Jeddah	Saudi Arabia

	type_name	company	max_seats
1	Airbus A320	Airbus	140
2	Boeing 737	Boeing	180
3	Boeing 777	Boeing	350

	leg_no	dep_airport_code	arr_airport_code	scheduled_dep_time	scheduled_arr_time
1	101	CAI	DXB	08:00:00.0000000	12:00:00.0000000
2	102	DXB	JED	14:00:00.0000000	16:00:00.0000000
3	103	CAI	JED	09:00:00.0000000	11:00:00.0000000
4	104	CAI	DXB	18:00:00.0000000	22:00:00.0000000

	leg_no	flight_date	arrival_time	departure_time	available_seats
1	101	2025-06-10	12:05:00.0000000	08:05:00.0000000	120
2	102	2025-06-10	16:10:00.0000000	14:10:00.0000000	90
3	103	2025-06-11	11:05:00.0000000	09:05:00.0000000	200
4	104	2025-06-10	22:05:00.0000000	18:05:00.0000000	145

	flight_no	airline	weekdays	restrictions
1	FL100	EgyptAir	Mon,Wed,Fri	No restrictions
2	FL200	Emirates	Tue,Thu,Sat	No pets allowed
3	FL300	Saudia	Mon-Fri	No liquids ove...

	reservation_id	passenger_name	phone_no	leg_no	flight_date
1	1	Ali Ahmed	+201234567890	101	2025-06-10
2	2	Fatima Saleh	+971501234567	102	2025-06-10
3	3	Hassan Omar	+966501234567	103	2025-06-11
4	4	Sara Hassan	NULL	101	2025-06-10

	airplane_id	type_name	total_seats	airport_code
1	1	Boeing 737	180	CAI
2	2	Boeing 777	350	DXB
3	3	Airbus A3...	160	CAI

	fare_code	amount	leg_no
1	F100	500.00	101
2	F200	700.00	102
3	F300	400.00	103

	flight_no	leg_no	leg_order
1	FL100	101	1
2	FL200	102	1
3	FL300	103	1

Query executed successfully.
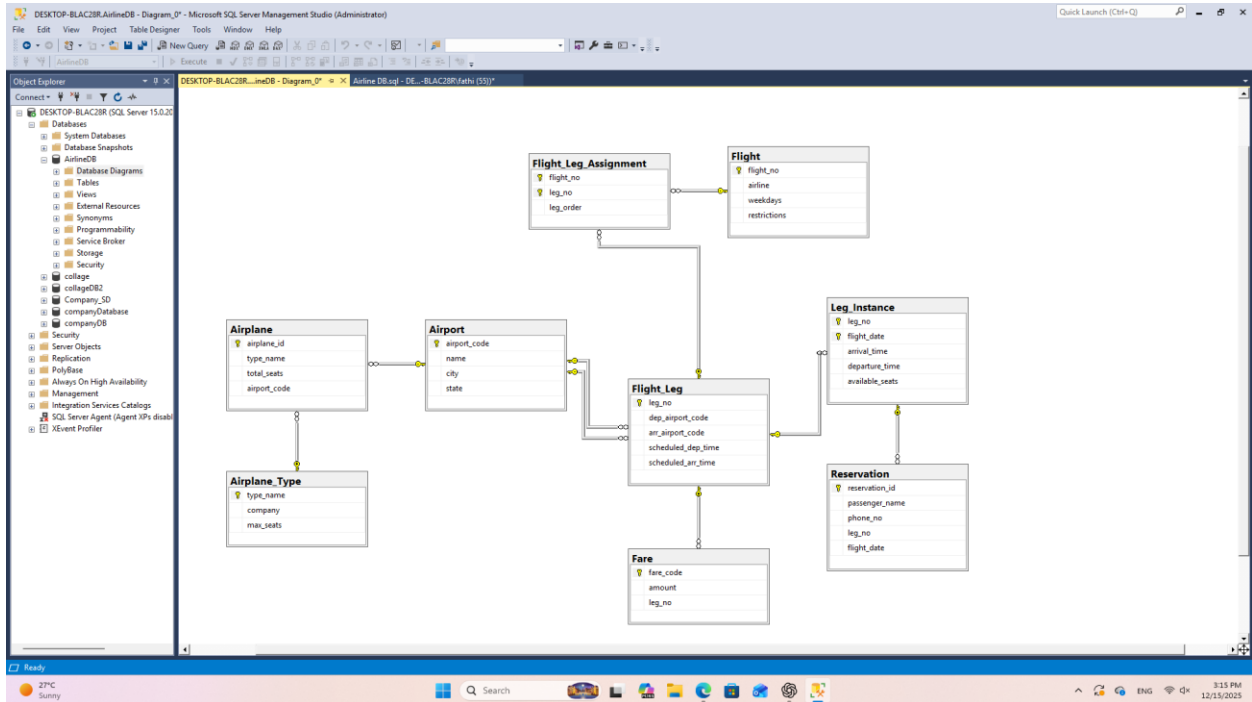
Database Diagram tables:

Flight_Leg_Assignment
- flight_no
- leg_no
- leg_order

Flight
- flight_no
- airline
- weekdays
- restrictions

Airplane
- airplane_id
- type_name
- total_seats
- airport_code

Airport
- airport_code
- name
- city
- state

Leg_Instance
- leg_no
- flight_date
- arrival_time
- departure_time
- available_seats

Flight_Leg
- leg_no
- dep_airport_code
- arr_airport_code
- scheduled_dep_time
- scheduled_arr_time

Airplane_Type
- type_name
- company
- max_seats

Reservation
- reservation_id
- passenger_name
- phone_no
- leg_no
- flight_date

Fare
- fare_code
- amount
- leg_no

```sql
-----FLIGHT
INSERT INTO Flight VALUES
('FL100','EgyptAir','Mon,Wed,Fri','No restrictions'),
('FL200','Emirates','Tue,Thu,Sat','No pets allowed'),
('FL300','Saudia','Mon-Fri','No liquids over 100ml');

-----FLIGHT LEG ASSIGNMENT
INSERT INTO Flight_Leg_Assignment VALUES
('FL100',101,1),
('FL200',102,1),
('FL300',103,1);

----FARE
INSERT INTO Fare VALUES
('F100',500.00,101),
('F200',700.00,102),
('F300',400.00,103);

---RESERVATION
INSERT INTO Reservation (passenger_name, phone_no, leg_no, flight_date) VALUES
('Ali Ahmed','+201234567890',101,'2025-06-10'),
('Fatima Saleh','+971501234567',102,'2025-06-10'),
('Hassan Omar','+966501234567',103,'2025-06-11');

----------------------------
 ----- DQL TASKS------
----------------------------

-- 1. Display all flight leg records
SELECT * FROM Flight_Leg;

-- 2. Flight leg ID, scheduled departure, and arrival time
```

	leg_no	dep_airport_code	arr_airport_code	scheduled_dep_time	scheduled_arr_time
1	101	CAI	DXB	08:00:00.0000000	12:00:00.0000000
2	102	DXB	JED	14:00:00.0000000	16:00:00.0000000
3	103	CAI	JED	09:00:00.0000000	11:00:00.0000000

Query executed successfully.

```sql
('FL200','Emirates','Tue,Thu,Sat','No pets allowed'),
('FL300','Saudia','Mon-Fri','No liquids over 100ml');

-----FLIGHT LEG ASSIGNMENT
INSERT INTO Flight_Leg_Assignment VALUES
('FL100',101,1),
('FL200',102,1),
('FL300',103,1);

----FARE
INSERT INTO Fare VALUES
('F100',500.00,101),
('F200',700.00,102),
('F300',400.00,103);

---RESERVATION
INSERT INTO Reservation (passenger_name, phone_no, leg_no, flight_date) VALUES
('Ali Ahmed','+201234567890',101,'2025-06-10'),
('Fatima Saleh','+971501234567',102,'2025-06-10'),
('Hassan Omar','+966501234567',103,'2025-06-11');

----------------------------
 ----- DQL TASKS------
----------------------------

-- 1. Display all flight leg records
SELECT * FROM Flight_Leg;

-- 2. Flight leg ID, scheduled departure, and arrival time
SELECT leg_no, scheduled_dep_time, scheduled_arr_time FROM Flight_Leg;

-- 3. Airplane ID, type, and seat capacity
```

	leg_no	scheduled_dep_time	scheduled_arr_time
1	101	08:00:00.0000000	12:00:00.0000000
2	102	14:00:00.0000000	16:00:00.0000000
3	103	09:00:00.0000000	11:00:00.0000000

Query executed successfully.

```sql
-----FLIGHT LEG ASSIGNMENT
INSERT INTO Flight_Leg_Assignment VALUES
('FL100',101,1),
('FL200',102,1),
('FL300',103,1);

----FARE
INSERT INTO Fare VALUES
('F100',500.00,101),
('F200',700.00,102),
('F300',400.00,103);

---RESERVATION
INSERT INTO Reservation (passenger_name, phone_no, leg_no, flight_date) VALUES
('Ali Ahmed','+201234567890',101,'2025-06-10'),
('Fatima Saleh','+971501234567',102,'2025-06-10'),
('Hassan Omar','+966501234567',103,'2025-06-11');

----------------------------
----- DQL TASKS------
----------------------------

-- 1. Display all flight leg records
SELECT * FROM Flight_Leg;

-- 2. Flight leg ID, scheduled departure, and arrival time
SELECT leg_no, scheduled_dep_time, scheduled_arr_time FROM Flight_Leg;

-- 3. Airplane ID, type, and seat capacity
SELECT airplane_id, type_name, total_seats FROM Airplane;

-- 4. Flight leg ID and available seats as AvailableSeats
```

Results:

	airplane_id	type_name	total_seats
1	1	Boeing 737	180
2	2	Boeing 777	350
3	3	Airbus A320	140

Query executed successfully. 3 rows

```sql
('FL200',102,1),
('FL300',103,1);

----FARE
INSERT INTO Fare VALUES
('F100',500.00,101),
('F200',700.00,102),
('F300',400.00,103);

---RESERVATION
INSERT INTO Reservation (passenger_name, phone_no, leg_no, flight_date) VALUES
('Ali Ahmed','+201234567890',101,'2025-06-10'),
('Fatima Saleh','+971501234567',102,'2025-06-10'),
('Hassan Omar','+966501234567',103,'2025-06-11');

----------------------------
----- DQL TASKS------
----------------------------

-- 1. Display all flight leg records
SELECT * FROM Flight_Leg;

-- 2. Flight leg ID, scheduled departure, and arrival time
SELECT leg_no, scheduled_dep_time, scheduled_arr_time FROM Flight_Leg;

-- 3. Airplane ID, type, and seat capacity
SELECT airplane_id, type_name, total_seats FROM Airplane;

-- 4. Flight leg ID and available seats as AvailableSeats
SELECT leg_no, available_seats AS AvailableSeats FROM Leg_Instance;

-- 5. Flight legs with available seats > 100
```

Results:

	leg_no	AvailableSeats
1	101	120
2	102	90
3	103	200

Query executed successfully. 3 rows

```sql
----FARE
INSERT INTO Fare VALUES
('F100',500.00,101),
('F200',700.00,102),
('F300',400.00,103);

---RESERVATION
INSERT INTO Reservation (passenger_name, phone_no, leg_no, flight_date) VALUES
('Ali Ahmed','+201234567890',101,'2025-06-10'),
('Fatima Saleh','+971501234567',102,'2025-06-10'),
('Hassan Omar','+966501234567',103,'2025-06-11');

----------------------------
       ----- DQL TASKS------
----------------------------

-- 1. Display all flight leg records
SELECT * FROM Flight_Leg;

-- 2. Flight leg ID, scheduled departure, and arrival time
SELECT leg_no, scheduled_dep_time, scheduled_arr_time FROM Flight_Leg;

-- 3. Airplane ID, type, and seat capacity
SELECT airplane_id, type_name, total_seats FROM Airplane;

-- 4. Flight leg ID and available seats as AvailableSeats
SELECT leg_no, available_seats AS AvailableSeats FROM Leg_Instance;

-- 5. Flight legs with available seats > 100
SELECT leg_no FROM Leg_Instance WHERE available_seats > 100;

-- 6. Airplane IDs with seat capacity above 300
```

Results:

	leg_no
1	101
2	103

Query executed successfully. 2 rows

```sql
('F200',700.00,102),
('F300',400.00,103);

---RESERVATION
INSERT INTO Reservation (passenger_name, phone_no, leg_no, flight_date) VALUES
('Ali Ahmed','+201234567890',101,'2025-06-10'),
('Fatima Saleh','+971501234567',102,'2025-06-10'),
('Hassan Omar','+966501234567',103,'2025-06-11');

----------------------------
       ----- DQL TASKS------
----------------------------

-- 1. Display all flight leg records
SELECT * FROM Flight_Leg;

-- 2. Flight leg ID, scheduled departure, and arrival time
SELECT leg_no, scheduled_dep_time, scheduled_arr_time FROM Flight_Leg;

-- 3. Airplane ID, type, and seat capacity
SELECT airplane_id, type_name, total_seats FROM Airplane;

-- 4. Flight leg ID and available seats as AvailableSeats
SELECT leg_no, available_seats AS AvailableSeats FROM Leg_Instance;

-- 5. Flight legs with available seats > 100
SELECT leg_no FROM Leg_Instance WHERE available_seats > 100;

-- 6. Airplane IDs with seat capacity above 300
SELECT airplane_id FROM Airplane WHERE total_seats > 300;

-- 7. Airport codes and names where city = 'Cairo'
```

Results:

	airplane_id
1	2

Query executed successfully. 1 rows

```sql
---RESERVATION
INSERT INTO Reservation (passenger_name, phone_no, leg_no, flight_date) VALUES
('Ali Ahmed','+201234567890',101,'2025-06-10'),
('Fatima Saleh','+971501234567',102,'2025-06-10'),
('Hassan Omar','+966501234567',103,'2025-06-11');

-----------------------------
    ----- DQL TASKS------
-----------------------------

-- 1. Display all flight leg records
SELECT * FROM Flight_Leg;

-- 2. Flight leg ID, scheduled departure, and arrival time
SELECT leg_no, scheduled_dep_time, scheduled_arr_time FROM Flight_Leg;

-- 3. Airplane ID, type, and seat capacity
SELECT airplane_id, type_name, total_seats FROM Airplane;

-- 4. Flight leg ID and available seats as AvailableSeats
SELECT leg_no, available_seats AS AvailableSeats FROM Leg_Instance;

-- 5. Flight legs with available seats > 100
SELECT leg_no FROM Leg_Instance WHERE available_seats > 100;

-- 6. Airplane IDs with seat capacity above 300
SELECT airplane_id FROM Airplane WHERE total_seats > 300;

-- 7. Airport codes and names where city = 'Cairo'
SELECT airport_code, name FROM Airport WHERE city='Cairo';

-- 8. Flight legs scheduled on 2025-06-10
```

Results

	airport_code	name
1	CAI	Cairo International Airport

Query executed successfully.

```sql
('Fatima Saleh','+971501234567',102,'2025-06-10'),
('Hassan Omar','+966501234567',103,'2025-06-11');

-----------------------------
    ----- DQL TASKS------
-----------------------------

-- 1. Display all flight leg records
SELECT * FROM Flight_Leg;

-- 2. Flight leg ID, scheduled departure, and arrival time
SELECT leg_no, scheduled_dep_time, scheduled_arr_time FROM Flight_Leg;

-- 3. Airplane ID, type, and seat capacity
SELECT airplane_id, type_name, total_seats FROM Airplane;

-- 4. Flight leg ID and available seats as AvailableSeats
SELECT leg_no, available_seats AS AvailableSeats FROM Leg_Instance;

-- 5. Flight legs with available seats > 100
SELECT leg_no FROM Leg_Instance WHERE available_seats > 100;

-- 6. Airplane IDs with seat capacity above 300
SELECT airplane_id FROM Airplane WHERE total_seats > 300;

-- 7. Airport codes and names where city = 'Cairo'
SELECT airport_code, name FROM Airport WHERE city='Cairo';

-- 8. Flight legs scheduled on 2025-06-10
SELECT * FROM Leg_Instance WHERE flight_date='2025-06-10';

-- 9. Flight legs ordered by departure time
```

Results

	leg_no	flight_date	arrival_time	departure_time	available_seats
1	101	2025-06-10	12:05:00.0000000	08:05:00.0000000	120
2	102	2025-06-10	16:10:00.0000000	14:10:00.0000000	90

Query executed successfully.

```sql
--------------------------
------ DQL TASKS------
--------------------------

-- 1. Display all flight leg records
SELECT * FROM Flight_Leg;

-- 2. Flight leg ID, scheduled departure, and arrival time
SELECT leg_no, scheduled_dep_time, scheduled_arr_time FROM Flight_Leg;

-- 3. Airplane ID, type, and seat capacity
SELECT airplane_id, type_name, total_seats FROM Airplane;

-- 4. Flight leg ID and available seats as AvailableSeats
SELECT leg_no, available_seats AS AvailableSeats FROM Leg_Instance;

-- 5. Flight legs with available seats > 100
SELECT leg_no FROM Leg_Instance WHERE available_seats > 100;

-- 6. Airplane IDs with seat capacity above 300
SELECT airplane_id FROM Airplane WHERE total_seats > 300;

-- 7. Airport codes and names where city = 'Cairo'
SELECT airport_code, name FROM Airport WHERE city='Cairo';

-- 8. Flight legs scheduled on 2025-06-10
SELECT * FROM Leg_Instance WHERE flight_date='2025-06-10';

-- 9. Flight legs ordered by departure time
SELECT * FROM Flight_Leg ORDER BY scheduled_dep_time;

-- 10. Maximum, minimum, and average available seats
```

	leg_no	dep_airport_code	arr_airport_code	scheduled_dep_time	scheduled_arr_time
1	101	CAI	DXB	08:00:00.0000000	12:00:00.0000000
2	103	CAI	JED	09:00:00.0000000	11:00:00.0000000
3	102	DXB	JED	14:00:00.0000000	16:00:00.0000000

Query executed successfully.

```sql
-- 2. Flight leg ID, scheduled departure, and arrival time
SELECT leg_no, scheduled_dep_time, scheduled_arr_time FROM Flight_Leg;

-- 3. Airplane ID, type, and seat capacity
SELECT airplane_id, type_name, total_seats FROM Airplane;

-- 4. Flight leg ID and available seats as AvailableSeats
SELECT leg_no, available_seats AS AvailableSeats FROM Leg_Instance;

-- 5. Flight legs with available seats > 100
SELECT leg_no FROM Leg_Instance WHERE available_seats > 100;

-- 6. Airplane IDs with seat capacity above 300
SELECT airplane_id FROM Airplane WHERE total_seats > 300;

-- 7. Airport codes and names where city = 'Cairo'
SELECT airport_code, name FROM Airport WHERE city='Cairo';

-- 8. Flight legs scheduled on 2025-06-10
SELECT * FROM Leg_Instance WHERE flight_date='2025-06-10';

-- 9. Flight legs ordered by departure time
SELECT * FROM Flight_Leg ORDER BY scheduled_dep_time;

-- 10. Maximum, minimum, and average available seats
SELECT MAX(available_seats) AS MaxSeats,
       MIN(available_seats) AS MinSeats,
       AVG(available_seats) AS AvgSeats
FROM Leg_Instance;

-- 11. Total number of flight legs
```

	MaxSeats	MinSeats	AvgSeats
1	200	90	136

Query executed successfully.

Screenshot 1 - SQL Server Management Studio:

```sql
-- 3. Airplane ID, type, and seat capacity
SELECT airplane_id, type_name, total_seats FROM Airplane;

-- 4. Flight leg ID and available seats as AvailableSeats
SELECT leg_no, available_seats AS AvailableSeats FROM Leg_Instance;

-- 5. Flight legs with available seats > 100
SELECT leg_no FROM Leg_Instance WHERE available_seats > 100;

-- 6. Airplane IDs with seat capacity above 300
SELECT airplane_id FROM Airplane WHERE total_seats > 300;

-- 7. Airport codes and names where city = 'Cairo'
SELECT airport_code, name FROM Airport WHERE city='Cairo';

-- 8. Flight legs scheduled on 2025-06-10
SELECT * FROM Leg_Instance WHERE flight_date='2025-06-10';

-- 9. Flight legs ordered by departure time
SELECT * FROM Flight_Leg ORDER BY scheduled_dep_time;

-- 10. Maximum, minimum, and average available seats
SELECT MAX(available_seats) AS MaxSeats,
       MIN(available_seats) AS MinSeats,
       AVG(available_seats) AS AvgSeats
FROM Leg_Instance;

-- 11. Total number of flight legs
SELECT COUNT(*) AS TotalFlightLegs FROM Flight_Leg;

-- 12. Airplanes whose type contains 'Boeing'
```

Results:
TotalFlightLegs
3

Query executed successfully.

Screenshot 2 - SQL Server Management Studio:

```sql
-- 4. Flight leg ID and available seats as AvailableSeats
SELECT leg_no, available_seats AS AvailableSeats FROM Leg_Instance;

-- 5. Flight legs with available seats > 100
SELECT leg_no FROM Leg_Instance WHERE available_seats > 100;

-- 6. Airplane IDs with seat capacity above 300
SELECT airplane_id FROM Airplane WHERE total_seats > 300;

-- 7. Airport codes and names where city = 'Cairo'
SELECT airport_code, name FROM Airport WHERE city='Cairo';

-- 8. Flight legs scheduled on 2025-06-10
SELECT * FROM Leg_Instance WHERE flight_date='2025-06-10';

-- 9. Flight legs ordered by departure time
SELECT * FROM Flight_Leg ORDER BY scheduled_dep_time;

-- 10. Maximum, minimum, and average available seats
SELECT MAX(available_seats) AS MaxSeats,
       MIN(available_seats) AS MinSeats,
       AVG(available_seats) AS AvgSeats
FROM Leg_Instance;

-- 11. Total number of flight legs
SELECT COUNT(*) AS TotalFlightLegs FROM Flight_Leg;

-- 12. Airplanes whose type contains 'Boeing'
SELECT * FROM Airplane WHERE type_name LIKE '%Boeing%';
```

Results:
	airplane_id	type_name	total_seats	airport_code
1	1	Boeing 737	180	CAI
2	2	Boeing 777	350	DXB

Query executed successfully.

```sql
-- 7. Airport codes and names where city = 'Cairo'
SELECT airport_code, name FROM Airport WHERE city='Cairo'

-- 8. Flight legs scheduled on 2025-06-10
SELECT * FROM Leg_Instance WHERE flight_date='2025-06-10';

-- 9. Flight legs ordered by departure time
SELECT * FROM Flight_Leg ORDER BY scheduled_dep_time;

-- 10. Maximum, minimum, and average available seats
SELECT MAX(available_seats) AS MaxSeats,
       MIN(available_seats) AS MinSeats,
       AVG(available_seats) AS AvgSeats
FROM Leg_Instance;

-- 11. Total number of flight legs
SELECT COUNT(*) AS TotalFlightLegs FROM Flight_Leg;

-- 12. Airplanes whose type contains 'Boeing'
SELECT * FROM Airplane WHERE type_name LIKE '%Boeing%';

-----------------------
    --DML TASKS--
-----------------------

-- 13. Insert new flight leg CAI → DXB on 2025-06-10
INSERT INTO Flight_Leg VALUES (104,'CAI','DXB','18:00','22:00');
INSERT INTO Leg_Instance VALUES (104,'2025-06-10','22:05','18:05',150);

-- 14. Insert a customer with NULL contact number
INSERT INTO Reservation (passenger_name, phone_no, leg_no, flight_date)
```

	leg_no	flight_date	arrival_time	departure_time	available_seats
1	101	2025-06-10	12:05:00.0000000	08:05:00.0000000	120
2	102	2025-06-10	16:10:00.0000000	14:10:00.0000000	90
3	103	2025-06-11	11:05:00.0000000	09:05:00.0000000	200
4	104	2025-06-10	22:05:00.0000000	18:05:00.0000000	150

Query executed successfully.

```sql
---RESERVATION
INSERT INTO Reservation (passenger_name, phone_no, leg_no, flight_date) VALUES
('Ali Ahmed','+201234567890',101,'2025-06-10'),
('Fatima Saleh','+971501234567',102,'2025-06-10'),
('Hassan Omar','+966501234567',103,'2025-06-11');

-----------------------
  ----- DQL TASKS-----
-----------------------

-- 1. Display all flight leg records
SELECT * FROM Flight_Leg;
SELECT * FROM Leg_Instance;
SELECT * FROM Reservation

-- 2. Flight leg ID, scheduled departure, and arrival time
SELECT leg_no, scheduled_dep_time, scheduled_arr_time FROM Flight_Leg;

-- 3. Airplane ID, type, and seat capacity
SELECT airplane_id, type_name, total_seats FROM Airplane;

-- 4. Flight leg ID and available seats as AvailableSeats
SELECT leg_no, available_seats AS AvailableSeats FROM Leg_Instance;

-- 5. Flight legs with available seats > 100
SELECT leg_no FROM Leg_Instance WHERE available_seats > 100;

-- 6. Airplane IDs with seat capacity above 300
SELECT airplane_id FROM Airplane WHERE total_seats > 300;

-- 7. Airport codes and names where city = 'Cairo'
SELECT airport_code, name FROM Airport WHERE city='Cairo';
```

	reservation_id	passenger_name	phone_no	leg_no	flight_date
1	1	Ali Ahmed	+201234567890	101	2025-06-10
2	2	Fatima Saleh	+971501234567	102	2025-06-10
3	3	Hassan Omar	+966501234567	103	2025-06-11
4	4	Sara Hassan	NULL	101	2025-06-10

Query executed successfully.

```sql
            AVG(available_seats) AS AvgSeats
    FROM Leg_Instance;

    -- 11. Total number of flight legs
    SELECT COUNT(*) AS TotalFlightLegs FROM Flight_Leg;

    -- 12. Airplanes whose type contains 'Boeing'
    SELECT * FROM Airplane WHERE type_name LIKE '%Boeing%';

    --------------------------
        --DML TASKS--
    --------------------------

    -- 13. Insert new flight leg CAI → DXB on 2025-06-10
    INSERT INTO Flight_Leg VALUES (104,'CAI','DXB','18:00','22:00');
    INSERT INTO Leg_Instance VALUES (104,'2025-06-10','22:05','18:05',150);

    -- 14. Insert a customer with NULL contact number
    INSERT INTO Reservation (passenger_name, phone_no, leg_no, flight_date)
    VALUES ('Sara Hassan', NULL, 101, '2025-06-10');

    -- 15. Reduce available seats of inserted flight leg by 5
    UPDATE Leg_Instance
    SET available_seats = available_seats - 5
    WHERE leg_no = 104 AND flight_date='2025-06-10';

    -- 16. Increase available seats by 10 for all domestic flights
    UPDATE LI
    SET available_seats = available_seats + 10
    FROM Leg_Instance LI
    JOIN Flight_Leg FL ON LI.leg_no = FL.leg_no
    WHERE FL.dep_airport_code = FL.arr_airport_code;
```

Results:

	leg_no	flight_date	arrival_time	departure_time	available_seats
1	101	2025-06-10	12:05:00.0000000	08:05:00.0000000	120
2	102	2025-06-10	16:10:00.0000000	14:10:00.0000000	90
3	103	2025-06-11	11:05:00.0000000	09:05:00.0000000	200
4	104	2025-06-10	22:05:00.0000000	18:05:00.0000000	145

Query executed successfully.

```sql
    ----FARE
    INSERT INTO Fare VALUES
    ('F100',500.00,101),
    ('F200',700.00,102),
    ('F300',400.00,103);

    ---RESERVATION
    INSERT INTO Reservation (passenger_name, phone_no, leg_no, flight_date) VALUES
    ('Ali Ahmed','+201234567890',101,'2025-06-10'),
    ('Fatima Saleh','+971501234567',102,'2025-06-10'),
    ('Hassan Omar','+966501234567',103,'2025-06-11');

    -----------------------------
    ------ DQL TASKS------
    -----------------------------

    -- 1. Display all flight leg records
    SELECT * FROM Flight_Leg;
    SELECT * FROM Leg_Instance;
    SELECT * FROM Reservation;
    SELECT * FROM Airplane;

    -- 2. Flight leg ID, scheduled departure, and arrival time
    SELECT leg_no, scheduled_dep_time, scheduled_arr_time FROM Flight_Leg;

    -- 3. Airplane ID, type, and seat capacity
    SELECT airplane_id, type_name, total_seats FROM Airplane;

    -- 4. Flight leg ID and available seats as AvailableSeats
    SELECT leg_no, available_seats AS AvailableSeats FROM Leg_Instance;

    -- 5. Flight legs with available seats > 100
```

Results:

	airplane_id	type_name	total_seats	airport_code
1	1	Boeing 737	180	CAI
2	2	Boeing 777	350	DXB
3	3	Airbus A320	160	CAI

Query executed successfully.