

SQLAirplane.sql - ALMAZDI\AirplainDB (ALMAZDI\mazam (56)) - Microsoft SQL Server Management Studio

```

--Display each flight log's no, airline, and the name of the airplane assigned to it--
SELECT f1.Log_no AS FlightLogID,
       d.Scheduled_dep_time AS DepartureTime,
       f.type_name AS AirplaneType
FROM FlightLog f1
JOIN Departure d ON f1.Log_no = d.Log_no
JOIN Airplane a ON a.Airplane_id = f1.Log_no;

--Display all flight numbers and the names of the departure and arrival airports.---
SELECT f.code AS FlightNumber,
       dep_air.name AS DepartureAirport,
       arr_air.name AS ArrivalAirport
FROM Flight f
JOIN Departure d ON f.code = d.Log_no
JOIN Arrival dep_air ON d.Airport_ID = dep_air.Airport_ID
JOIN Arrival arr_air ON f.code = arr_air.Airport_ID;
--Display all reservation data with the name and phone of the customer who made each booking---
SELECT r.Customer_id, c.name, c.phone, r.Seat_no, r.Airplane_id
FROM Reservation r
JOIN Customer c ON r.Customer_id = c.Customer_id;

```

100 %

Results Messages

FlightLogID	DepartureTime	AirplaneType
1	2025-11-20 05:30:00.000	muscat 737
2	2025-11-20 12:45:00.000	air A320
3	2025-11-21 09:15:00.000	solar 747
4	2025-02-22 10:15:00.000	swiss E170

Query executed successfully.

ALMAZDI (15.0 RTM) ALMAZDI\mazam (56) AirplainDB 00:00:00 4 rows

Properties

Current connection parameters

Aggregate Status

- Connection failures: 0
- Elapsed time: 00:00:00.002
- Finish time: 12/22/2023 11:17:15 AM
- Name: ALMAZDI
- Rows returned: 4
- Start time: 12/22/2023 11:17:15 AM
- State: Open

Connection

- Connection name: ALMAZDI (ALMAZDI\mazam)
- Connection properties: Connection timeout: 00:00:00.002, Connection encryption: Not encrypted, Connection finish time: 12/22/2023 11:17:15 AM, Connection rows returned: 4, Connection start time: 12/22/2023 11:17:15 AM, Connection state: Open, Display name: ALMAZDI, Login name: ALMAZDI\mazam, Server name: ALMAZDI, Server version: 15.0.2000, Session Tracing ID: 56, SPID: 56

Name
The name of the connection.

SQLAirplane.sql - ALMAZDI\AirplainDB (ALMAZDI\mazam (56)) - Microsoft SQL Server Management Studio

```

--Display each flight log's no, airline, and the name of the airplane assigned to it--
SELECT f1.Log_no AS FlightLogID,
       d.Scheduled_dep_time AS DepartureTime,
       f.type_name AS AirplaneType
FROM FlightLog f1
JOIN Departure d ON f1.Log_no = d.Log_no
JOIN Airplane a ON a.Airplane_id = f1.Log_no;

--Display all flight numbers and the names of the departure and arrival airports.---
SELECT f.code AS FlightNumber,
       dep_air.name AS DepartureAirport,
       arr_air.name AS ArrivalAirport
FROM Flight f
JOIN Departure d ON f.code = d.Log_no
JOIN Arrival dep_air ON d.Airport_ID = dep_air.Airport_ID
JOIN Arrival arr_air ON f.code = arr_air.Airport_ID;
--Display all reservation data with the name and phone of the customer who made each booking---
SELECT r.Customer_id, c.name, c.phone, r.Seat_no, r.Airplane_id
FROM Reservation r
JOIN Customer c ON r.Customer_id = c.Customer_id;

```

100 %

Results Messages

Customer_id	name	phone	Seat_no	Airplane_id
1	Ahmed	123456	2c	1
2	Ali	876543	1B	2
3	Fatma	666777	1C	3
4	Maha	999888	2A	4

Query executed successfully.

ALMAZDI (15.0 RTM) ALMAZDI\mazam (56) AirplainDB 00:00:00 4 rows

Properties

Current connection parameters

Aggregate Status

- Connection failures: 0
- Elapsed time: 00:00:00.023
- Finish time: 12/22/2023 11:19:07 AM
- Name: ALMAZDI
- Rows returned: 4
- Start time: 12/22/2023 11:19:07 AM
- State: Open

Connection

- Connection name: ALMAZDI (ALMAZDI\mazam)
- Connection properties: Connection elapsed time: 00:00:00.023, Connection encryption: Not encrypted, Connection finish time: 12/22/2023 11:19:07 AM, Connection rows returned: 4, Connection start time: 12/22/2023 11:19:07 AM, Connection state: Open, Display name: ALMAZDI, Login name: ALMAZDI\mazam, Server name: ALMAZDI, Server version: 15.0.2000, Session Tracing ID: 56, SPID: 56

Name
The name of the connection.

V

```

--Display all flight numbers and the names of the departure and arrival airports.---
SELECT f.code AS FlightNumber,
       dep_air.name AS DepartureAirport,
       arr_air.name AS ArrivalAirport
  FROM Flight f
  JOIN Departure d ON f.code = d.log_no
  JOIN Airport dep_air ON d.Airport_ID = dep_air.airport_ID
  JOIN Arrival a ON f.code = d.Airport_ID
  JOIN Airport arr_air ON a.Airport_ID = arr_air.airport_ID;
--Display all reservation data with the name and phone of the customer who made each booking---
SELECT r.Reservation_ID, c.name, c.phone, r.Seat_no, r.airplane_id
  FROM Reservation r
  JOIN Customer c ON r.Customer_Id = c.Customer_Id;
--Display IDs and locations of flights departing from 'CAI' or 'DXB'.---
SELECT * FROM Flight WHERE city IN ('CAI', 'DXB');

```

Query executed successfully.

```

--Display all flight numbers and the names of the departure and arrival airports.---
SELECT f.code AS FlightNumber,
       dep_air.name AS DepartureAirport,
       arr_air.name AS ArrivalAirport
  FROM Flight f
  JOIN Departure d ON f.code = d.log_no
  JOIN Airport dep_air ON d.Airport_ID = dep_air.airport_ID
  JOIN Arrival a ON f.code = d.Airport_ID
  JOIN Airport arr_air ON a.Airport_ID = arr_air.airport_ID;
--Display all reservation data with the name and phone of the customer who made each booking---
SELECT r.Reservation_ID, c.name, c.phone, r.Seat_no, r.airplane_id
  FROM Reservation r
  JOIN Customer c ON r.Customer_Id = c.Customer_Id;
--Display IDs and locations of flights departing from 'CAI' or 'DXB'.---
SELECT * FROM Flight WHERE city IN ('CAI', 'DXB');
--Display full data of flights whose names start with 'A'.---
SELECT *
  FROM Flight
 WHERE code LIKE 'A%';

```

Query executed successfully.

SQLAirplane.sql - ALMAZIDI\AlplainDB (ALMAZIDI\mozam (56)) - Microsoft SQL Server Management Studio

```

SELECT * FROM Arrival_a ON d.Airport_ID = arr_air.airport_ID;
--Display all reservation data with the name and phone of the customer who made each booking---
SELECT r.Customer_Id, c.name, c.phone, r.Seat_No, r.Airplane_Id
FROM Reservation r
JOIN Customer c ON r.Customer_Id = c.Customer_Id;
--Display IDs and locations of flights departing from 'CAI' or 'DXB'---
SELECT d.log_no, a.city, a.state
FROM Departure d
JOIN Airport a ON d.Airport_ID = a.airport_ID
WHERE a.name IN ('CAI', 'DXB');
--Display full data of flights whose names start with 'A'---
SELECT *
FROM Flight
WHERE code LIKE 'AN';
--List customers who have bookings with total payment between 3000 and 5000.---
SELECT c.Customer_Id, c.name, SUM(f.amount) AS TotalPayment
FROM Customer c
JOIN Reservation r ON c.Customer_Id = r.Customer_Id
JOIN Flight f ON r.Airplane_Id = Airplane_Id
GROUP BY c.Customer_Id, c.name
HAVING SUM(f.amount) BETWEEN 3000 AND 5000;
--select* from Airplane

```

Results Messages

Customer_id	name	TotalPayment

Properties

Current connection parameters

Aggregate Status

- Connection failures: 0
- Elapsed time: 00:00:00.021
- Finish time: 12/22/2023 11:27:14 AM
- Name: ALMAZIDI
- Rows returned: 0
- Start time: 12/22/2023 11:27:14 AM
- State: Open

Connection

- Connection name: ALMAZIDI (ALMAZIDI\mozam)

Connection Details

- Connection elapsed time: 00:00:00.021
- Connection encryption: Not encrypted
- Connection finish time: 12/22/2023 11:27:14 AM
- Connection rows returned: 0
- Connection start time: 12/22/2023 11:27:14 AM
- Connection state: Open
- Display name: ALMAZIDI
- Login name: ALMAZIDI\mozam
- Server name: ALMAZIDI
- Server version: 15.0.2000
- Session Tracing ID: 12222023112714AM
- SPID: 56

Name
The name of the connection.

SQLAirplane.sql - ALMAZIDI\AlplainDB (ALMAZIDI\mozam (56)) - Microsoft SQL Server Management Studio

```

SELECT * FROM Arrival_a ON ('CAI', 'DXB');
--Display full data of flights whose names start with 'A'---
SELECT *
FROM Flight
WHERE code LIKE 'AN';
--List customers who have bookings with total payment between 3000 and 5000.---
SELECT c.Customer_Id, c.name, SUM(f.amount) AS TotalPayment
FROM Customer c
JOIN Reservation r ON c.Customer_Id = r.Customer_Id
JOIN Flight f ON r.Airplane_Id = Airplane_Id
GROUP BY c.Customer_Id, c.name
HAVING SUM(f.amount) BETWEEN 3000 AND 5000;
--Retrieve all passengers on 'Flight 110' who booked more than 2 seats.---
SELECT c.name, COUNT(*) AS SeatsBooked
FROM Reservation r
JOIN Customer c ON r.Customer_Id = c.Customer_Id
JOIN Flight f ON r.Airplane_Id = f.code ... link may need adjustment
WHERE f.code = 'Flight 110'
GROUP BY c.name
HAVING COUNT(*) > 2;

```

Results Messages

name	SeatsBooked

Properties

Current connection parameters

Aggregate Status

- Connection failures: 0
- Elapsed time: 00:00:00.031
- Finish time: 12/22/2023 11:29:06 AM
- Name: ALMAZIDI
- Rows returned: 0
- Start time: 12/22/2023 11:29:06 AM
- State: Open

Connection

- Connection name: ALMAZIDI (ALMAZIDI\mozam)

Connection Details

- Connection elapsed time: 00:00:00.031
- Connection encryption: Not encrypted
- Connection finish time: 12/22/2023 11:29:06 AM
- Connection rows returned: 0
- Connection start time: 12/22/2023 11:29:06 AM
- Connection state: Open
- Display name: ALMAZIDI
- Login name: ALMAZIDI\mozam
- Server name: ALMAZIDI
- Server version: 15.0.2000
- Session Tracing ID: 12222023112906AM
- SPID: 56

Name
The name of the connection.

The screenshot shows the Microsoft SQL Server Management Studio (SSMS) interface. The title bar indicates the connection is to ALMAZIDI\AirplainDB (ALMAZIDI\mizcam (56)).

Object Explorer: Shows the database structure under the ALMAZIDI node.

SQL Editor: Contains the following T-SQL query:

```
AlplaneSQL.sql - MAZIDI\mizcam (55)           SQLAlplaneSQL - MAZIDI\mizcam (56) *  
-----  
USE [AirplainDB]  
---Display full list of flights whose names start with 'A'...  
---  
SELECT  
    f.Flight  
    WHERE code LIKE 'A%'  
---List customers who have bookings with total payment between 3000 and 5000...  
---  
SELECT  
    c.Customer_id, c.name, SUM(f.amount) AS TotalPayment  
    FROM Customer c  
    JOIN Reservation r ON r.Customer_id = c.Customer_id  
    JOIN Flight f ON r.Airplane_id = f.Airplane_id  
    GROUP BY c.Customer_id, c.name  
    HAVING SUM(f.amount) BETWEEN 3000 AND 5000;  
---Retrieve all passengers on 'Flight 110' who booked more than 2 seats...  
---  
SELECT c.name, COUNT(*) AS SeatsBooked  
    FROM Passenger p  
    JOIN Customer c ON p.Customer_id = c.Customer_id  
    JOIN Flight f ON r.Airplane_id = f.code -- link may need adjustment  
    WHERE f.code = 'Flight 110'  
    GROUP BY c.name  
    HAVING COUNT(*) > 2;  
---Find names of passengers whose booking was handled by agent "Youssef Hamed"...  
---not have agent...  
-----
```

Results Grid: Displays the results of the last query:

name	SeatsBooked

Properties Pane: Shows connection details for the current session.

Current connection parameters	
Connection status	Open
Elapsed time	00:00:00.031
Finish time	12/22/2025 11:29:06 AM
Name	ALMAZIDI
Rows returned	0
Start time	12/22/2025 11:29:06 AM
State	Open
Connection name	ALMAZIDI (ALMAZIDI\mizcam)
Connection details	Connection elapsed time: 00:00:00.031 Connection encryption: Not encrypted Connection finish time: 12/22/2025 11:29:06 AM Connection rows returned: 0 Connection start time: 12/22/2025 11:29:06 AM Connection state: Open Diagnostics: ALMAZIDI Login name: ALMAZIDI\mizcam Server name: ALMAZIDI Server version: 15.0.2000 Session Tracing ID: 56 SPID: 56

Status Bar: Shows the message "Query executed successfully.", the server version (ALMAZIDI (15.0 RTM)), the database (ALMAZIDI\mizcam (56)), the connection name (AirplainDB), the duration (00:00:00), and the number of rows (0 rows).

The screenshot shows the Microsoft SQL Server Management Studio interface. The title bar indicates the connection is to ALMAZIDI\AirplainDB (ALMAZIDI\mozzam (56)).

The Object Explorer sidebar shows the database structure, including the AirplainDB database which contains tables like Customer, Flight, and Reservation.

The main pane displays a query results window for a stored procedure named AirplaneSQL_sp. The results show a single row:

name	FlightNumber	Scheduled_dep_time
Youssef Hamed	Flight 110	2023-01-01T10:00:00

The status bar at the bottom left shows "Query executed successfully". The status bar at the bottom right shows the session details: ALMAZIDI (15.0 RTM), ALMAZIDI\mozzam (56), AirplainDB, 00:00:00, 0 rows.

The Properties pane on the right lists connection parameters and details for the current session, which is named ALMAZIDI (ALMAZIDI\mozzam). The session has been running for 00:00:00.016 minutes since 12/22/2023 11:37:43 AM.

SQLAirplane.sql - ALMAZIDI\AlplainDB (ALMAZIDI\mazam (56)) - Microsoft SQL Server Management Studio

```

SELECT c.name, f.code AS Flightnumber, dep.Scheduled_dep_time
FROM Customer c
JOIN Reservation r ON c.Customer_Id = r.Customer_Id
JOIN Flight f ON r.Flight_id = f.id
JOIN Departure dep ON r.Dep_Loc_id = f.amount
ORDER BY dep.Scheduled_dep_time;

--For each flight departing from 'Cairo', display the flight number, departure time, and airline name.---
SELECT f.code, d.Scheduled_dep_time, f.Airline
FROM Flight f
JOIN Departure d ON f.code = d.Log_no
JOIN Airport a ON d.Airport_ID = a.airport_ID
WHERE a.city = 'Cairo';

```

Properties

Aggregate Status

- Connection failures: 0
- Elapsed time: 00:00:00.16
- Finish time: 12/22/2023 11:39:54 AM
- Name: ALMAZIDI
- Rows returned: 0
- Start time: 12/22/2023 11:39:54 AM
- State: Open

Connection

- Connection name: ALMAZIDI (ALMAZIDI\mazam)
- Connection Details
- Connection elapsed time: 00:00:00.16
- Connection encryption: Not encrypted
- Connection finish time: 12/22/2023 11:39:54 AM
- Connection rows returned: 0
- Connection start time: 12/22/2023 11:39:54 AM
- Connection state: Open
- Display name: ALMAZIDI
- Login name: ALMAZIDI\mazam
- Server name: ALMAZIDI
- Server version: 15.0.2000
- Session Tracing ID: 15
- SPID: 56

Results

code	Scheduled_dep_time	Airline

Messages

Query executed successfully.

ALMAZIDI (15.0 RTM) | ALMAZIDI\mazam (56) | AlplainDB | 00:00:00 | 0 rows

Ready 72°F Mostly cloudy

Search

Ln 67 Col 24 Ch 24 INS

11:40 AM 12/22/2023

SQLAirplane.sql - ALMAZIDI\AlplainDB (ALMAZIDI\mazam (56)) - Microsoft SQL Server Management Studio

```

SELECT c.name, f.code AS Flightnumber, dep.Scheduled_dep_time
FROM Customer c
JOIN Reservation r ON c.Customer_Id = r.Customer_Id
JOIN Flight f ON r.Flight_id = f.id
JOIN Departure dep ON r.Dep_Loc_id = f.amount
ORDER BY dep.Scheduled_dep_time;

--For each flight departing from 'Cairo', display the flight number, departure time, and airline name.---
SELECT f.code, d.Scheduled_dep_time, f.Airline
FROM Flight f
JOIN Departure d ON f.code = d.Log_no
JOIN Airport a ON d.Airport_ID = a.airport_ID
WHERE a.city = 'Cairo';

--Display all staff members who are assigned as supervisors for flights.---
--No staff...--
```

Properties

Aggregate Status

- Connection failures: 0
- Elapsed time: 00:00:00.063
- Finish time: 12/22/2023 11:44:57 AM
- Name: ALMAZIDI
- Rows returned: 12
- Start time: 12/22/2023 11:44:56 AM
- State: Open

Connection

- Connection name: ALMAZIDI (ALMAZIDI\mazam)
- Connection Details
- Connection elapsed time: 00:00:00.063
- Connection encryption: Not encrypted
- Connection finish time: 12/22/2023 11:44:57 AM
- Connection rows returned: 12
- Connection start time: 12/22/2023 11:44:56 AM
- Connection state: Open
- Display name: ALMAZIDI
- Login name: ALMAZIDI\mazam
- Server name: ALMAZIDI
- Server version: 15.0.2000
- Session Tracing ID: 15
- SPID: 56

Results

name	phone	Seat_no	Airplane_id
Mosa	123456	2c	1
Ahmed	987654	1B	2
Fatma	666777	1C	3
Maha	999888	2A	4

Customer_id	Seat_no	Airplane_id
1		
2		
3		
4		

Customer_id	name	phone
1	Mosa	123456
2	Ahmed	987654
3	Fatma	666777
4	Maha	999888

Messages

Query executed successfully.

ALMAZIDI (15.0 RTM) | ALMAZIDI\mazam (56) | AlplainDB | 00:00:00 | 12 rows

Ready Tomorrow's low To tie record

Search

Ln 78 Col 22 Ch 22 INS

11:46 AM 12/22/2023