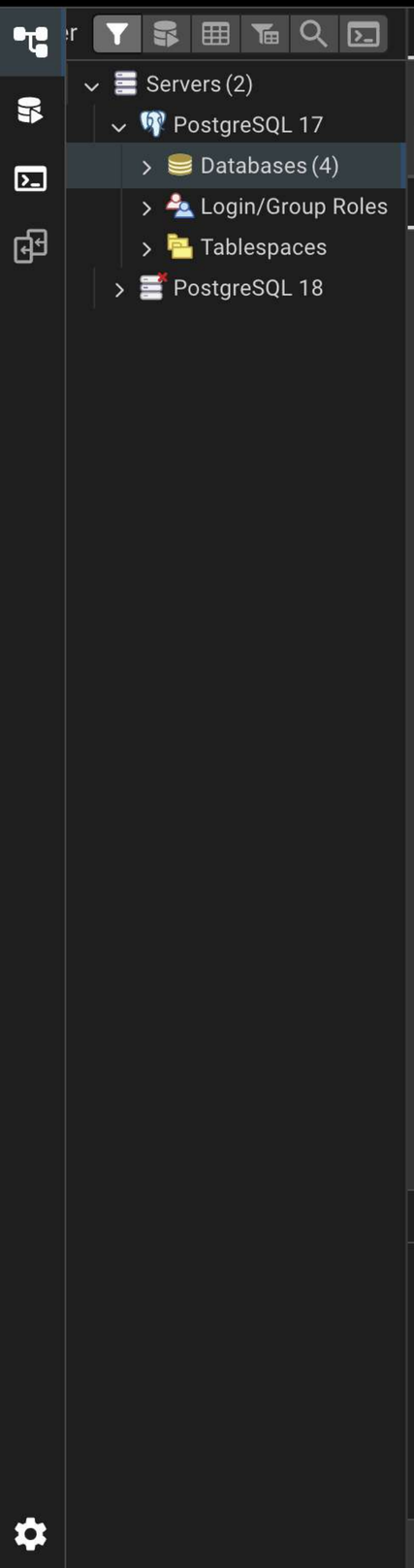


airport_database/postgres@PostgreSQL 17*

airport_database/postgres@PostgreSQL 17

No limit

Query | Query History

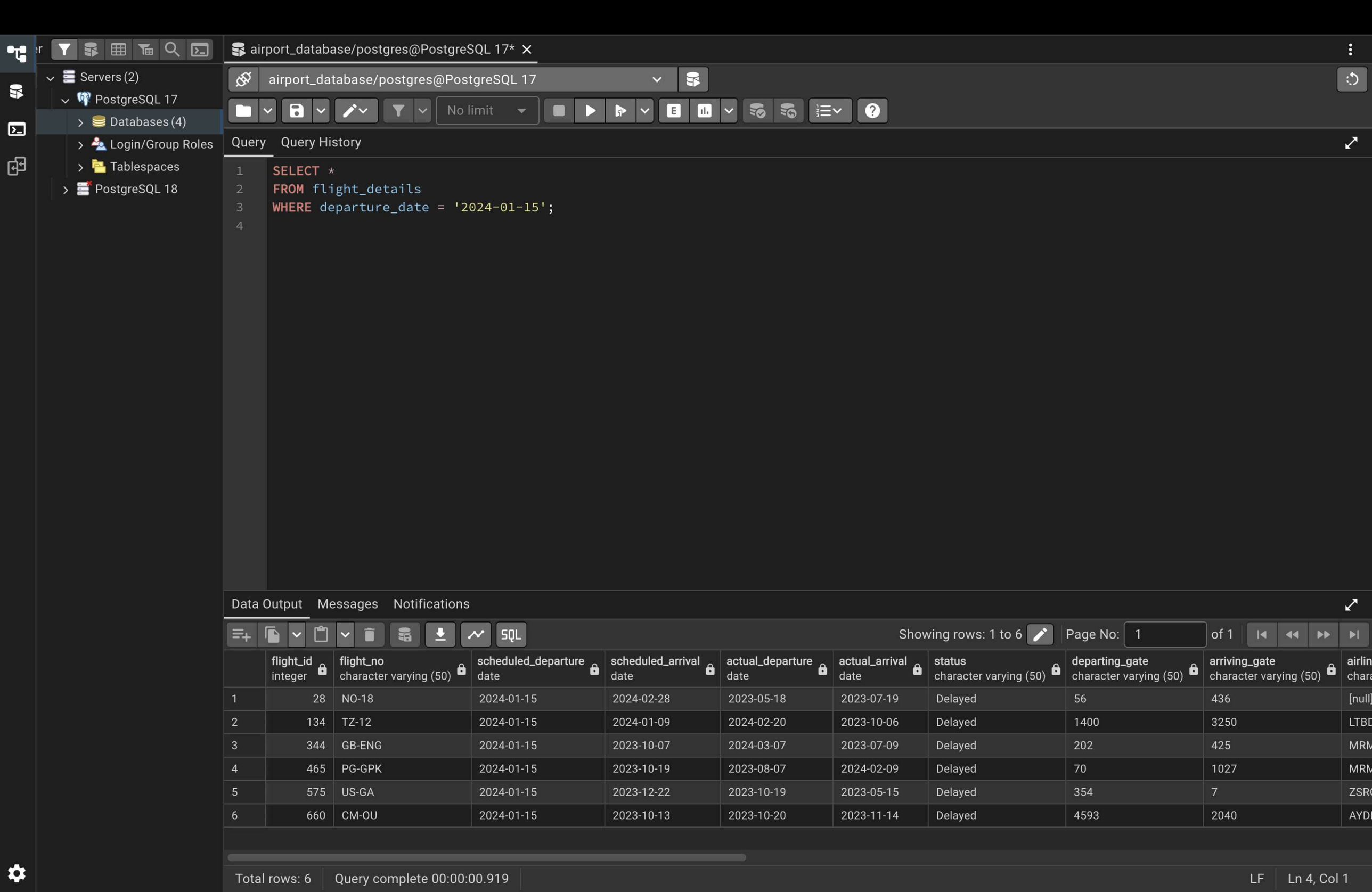
```sql
CREATE VIEW flight_details AS
SELECT
    f.flight_id,
    f.flight_no,
    f.scheduled_departure,
    f.scheduled_arrival,
    f.actual_departure,
    f.actual_arrival,
    f.status,
    f.departing_gate,
    f.arriving_gate,
    al.airline_code,
    al.airline_name,
    al.airline_country,
    dep_airport.airport_name AS departure_airport_name,
    dep_airport.city         AS departure_city,
    dep_airport.country      AS departure_country,
    arr_airport.airport_name AS arrival_airport_name,
    arr_airport.city         AS arrival_city,
    arr_airport.country      AS arrival_country,
    DATE(f.scheduled_departure) AS departure_date
FROM flights f
JOIN airline al
    ON f.airline_id = al.airline_id
JOIN airport dep_airport
    ON f.departure_airport_id = dep_airport.airport_id
JOIN airport arr_airport
    ON f.arrival_airport_id = arr_airport.airport_id;
```

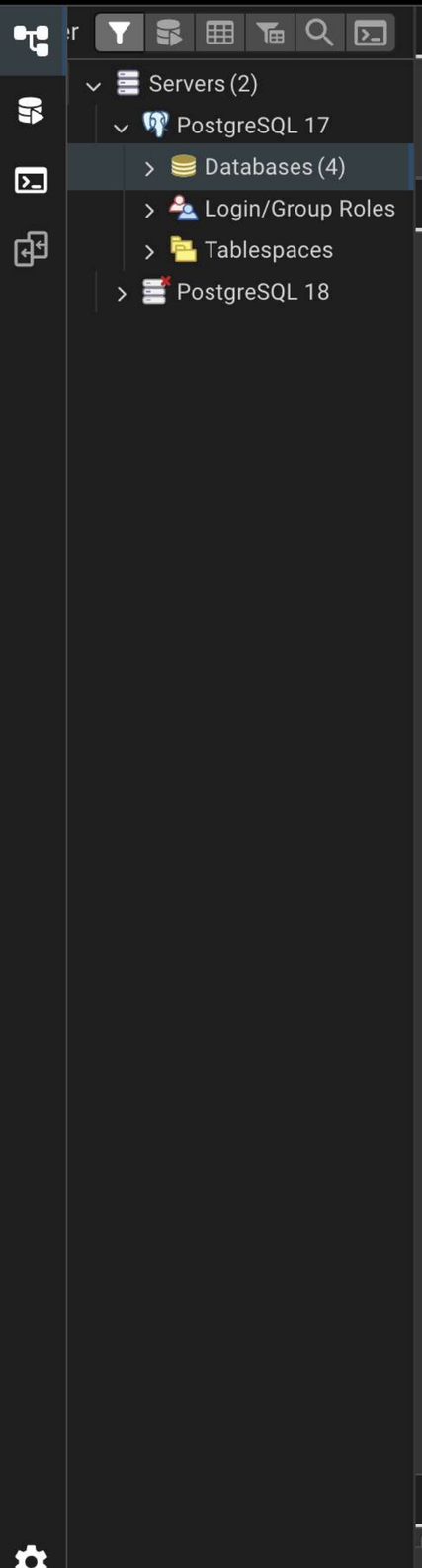
Data Output | Messages | Notifications

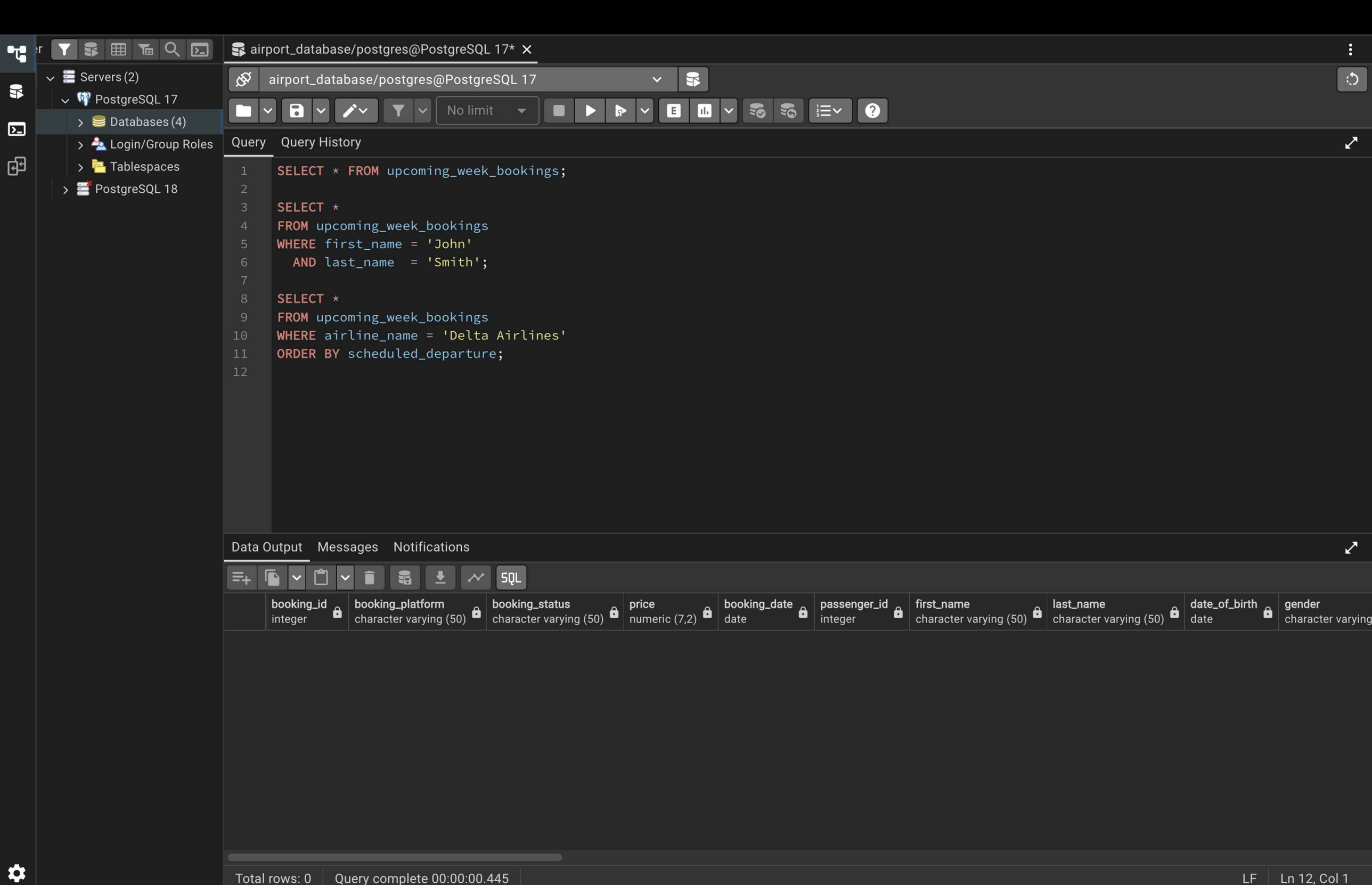
```
CREATE VIEW

Query returned successfully in 861 msec.
```

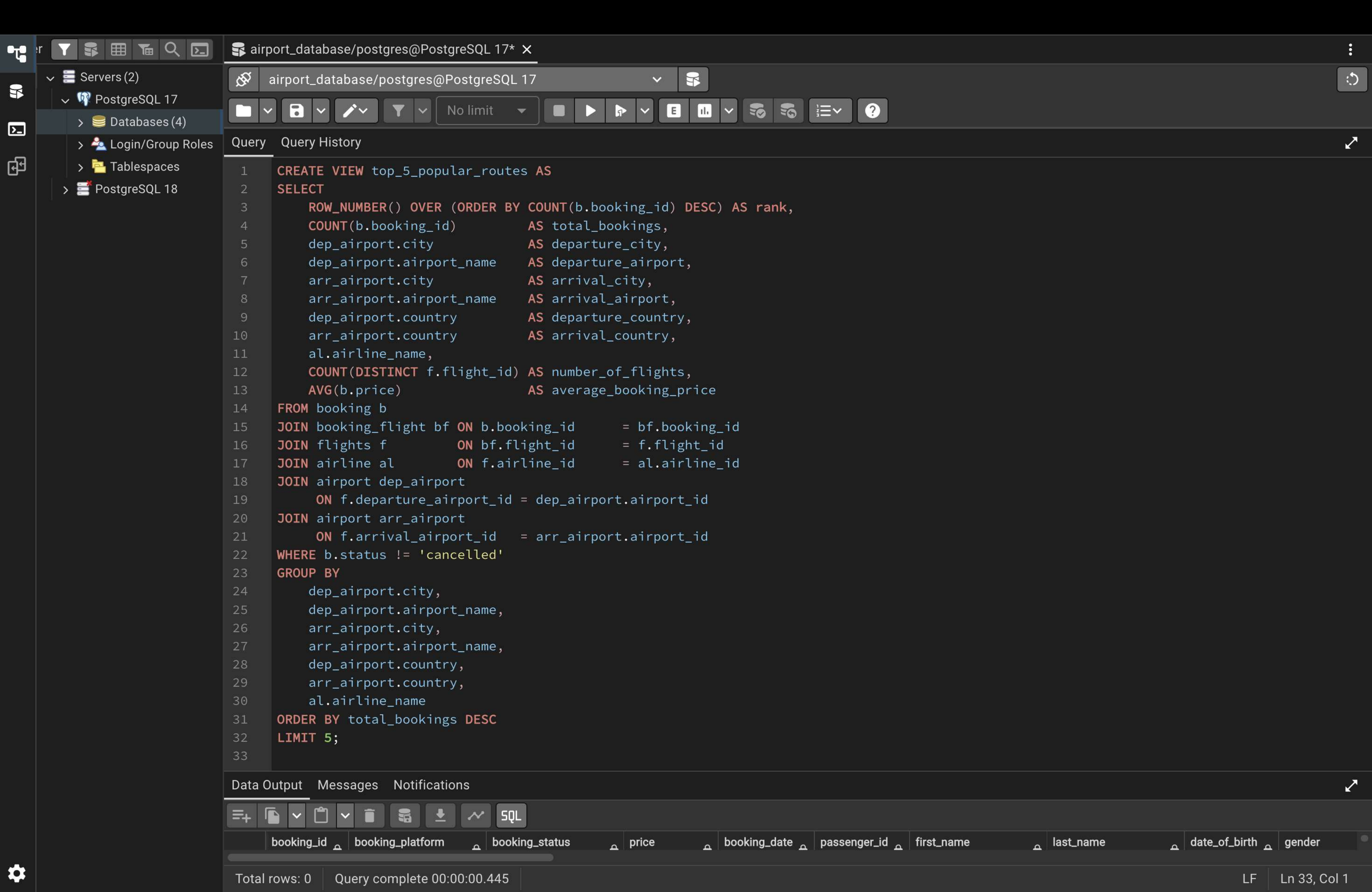
Query returned successfully in 861 msec.

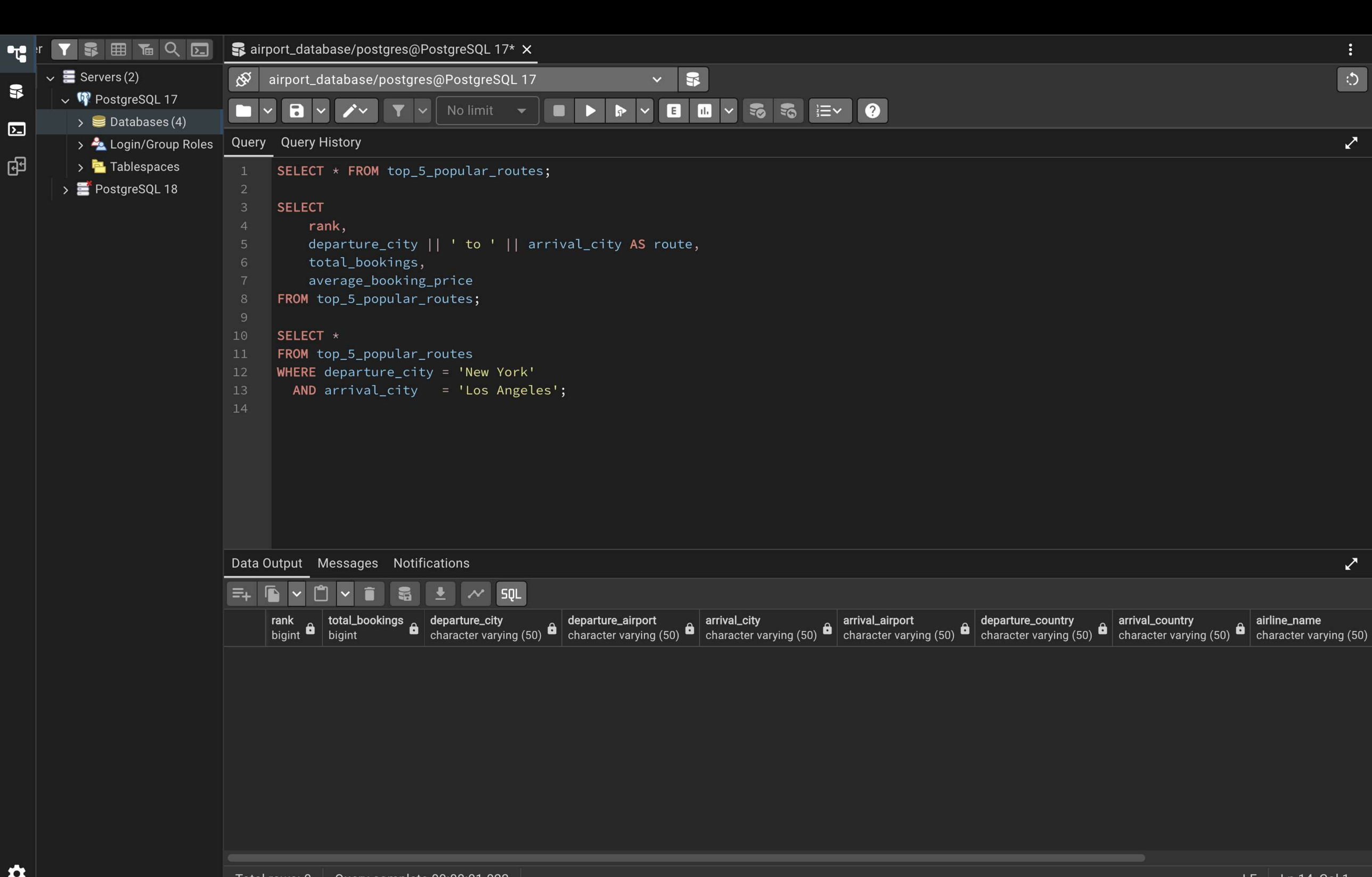
Total rows: | Query complete 00:00:00.861 | LF | Ln 29, Col 1

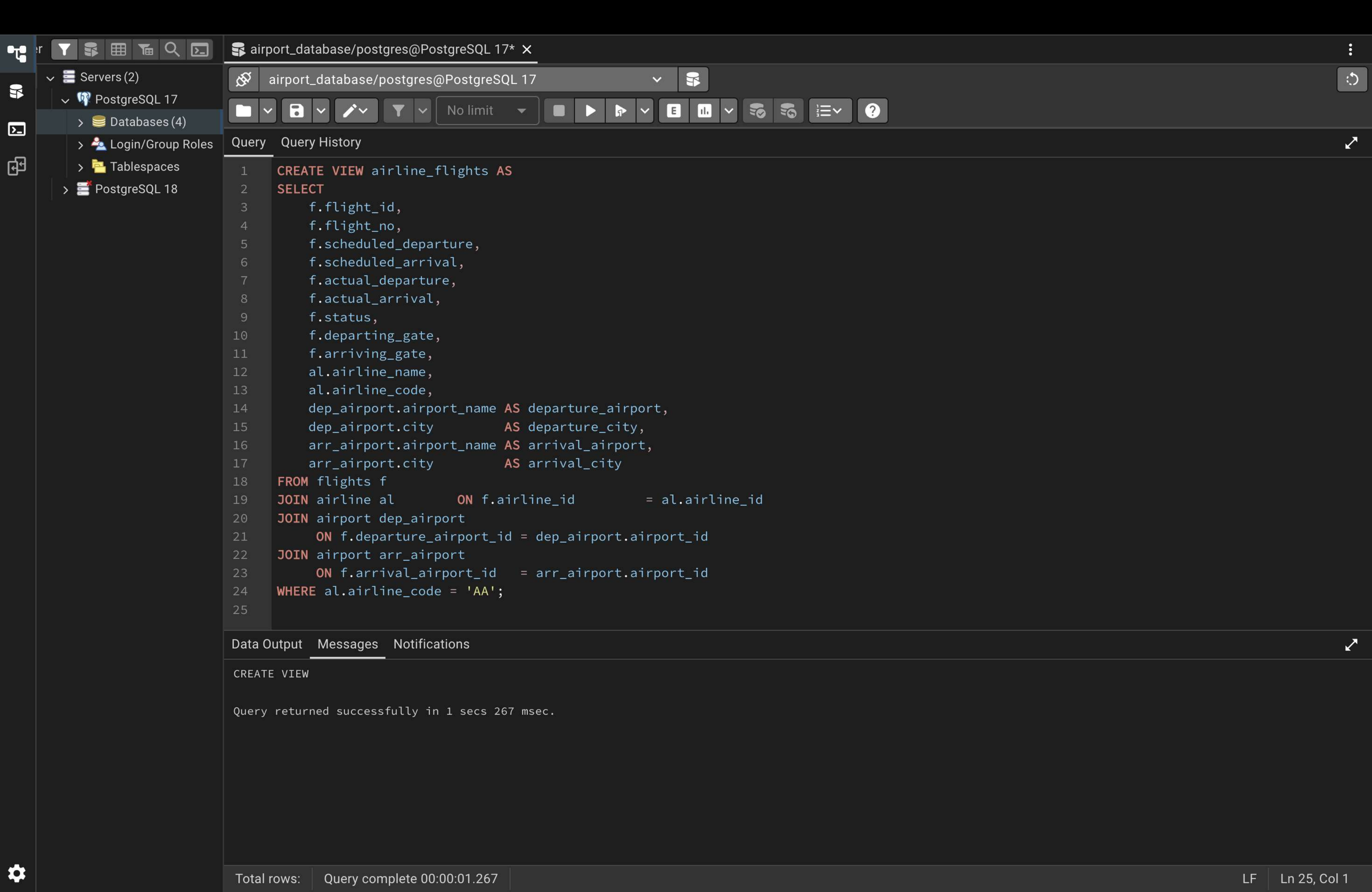

airport_database/postgres@PostgreSQL 17*
Servers (2)
PostgreSQL 17
Databases (4)
Login/Group Roles
Tablespaces
PostgreSQL 18
airport_database/postgres@PostgreSQL 17
No limit
Query
Query History
1 SELECT *
2 FROM flight_details
3 WHERE departure_date = '2024-01-15';
4
Data Output
Messages
Notifications
SQL
Showing rows: 1 to 6
Page No: 1
of 1
flight_id integer
flight_no character varying (50)
scheduled_departure date
scheduled_arrival date
actual_departure date
actual_arrival date
status character varying (50)
departing_gate character varying (50)
arriving_gate character varying (50)
1 28 NO-18 2024-01-15 2024-02-28 2023-05-18 2023-07-19 Delayed 56 436
2 134 TZ-12 2024-01-15 2024-01-09 2024-02-20 2023-10-06 Delayed 1400 3250
3 344 GB-ENG 2024-01-15 2023-10-07 2024-03-07 2023-07-09 Delayed 202 425
4 465 PG-GPK 2024-01-15 2023-10-19 2023-08-07 2024-02-09 Delayed 70 1027
5 575 US-GA 2024-01-15 2023-12-22 2023-10-19 2023-05-15 Delayed 354 7
6 660 CM-OU 2024-01-15 2023-10-13 2023-10-20 2023-11-14 Delayed 4593 2040
Total rows: 6
Query complete 00:00:00.919
LF
Ln 4, Col 1

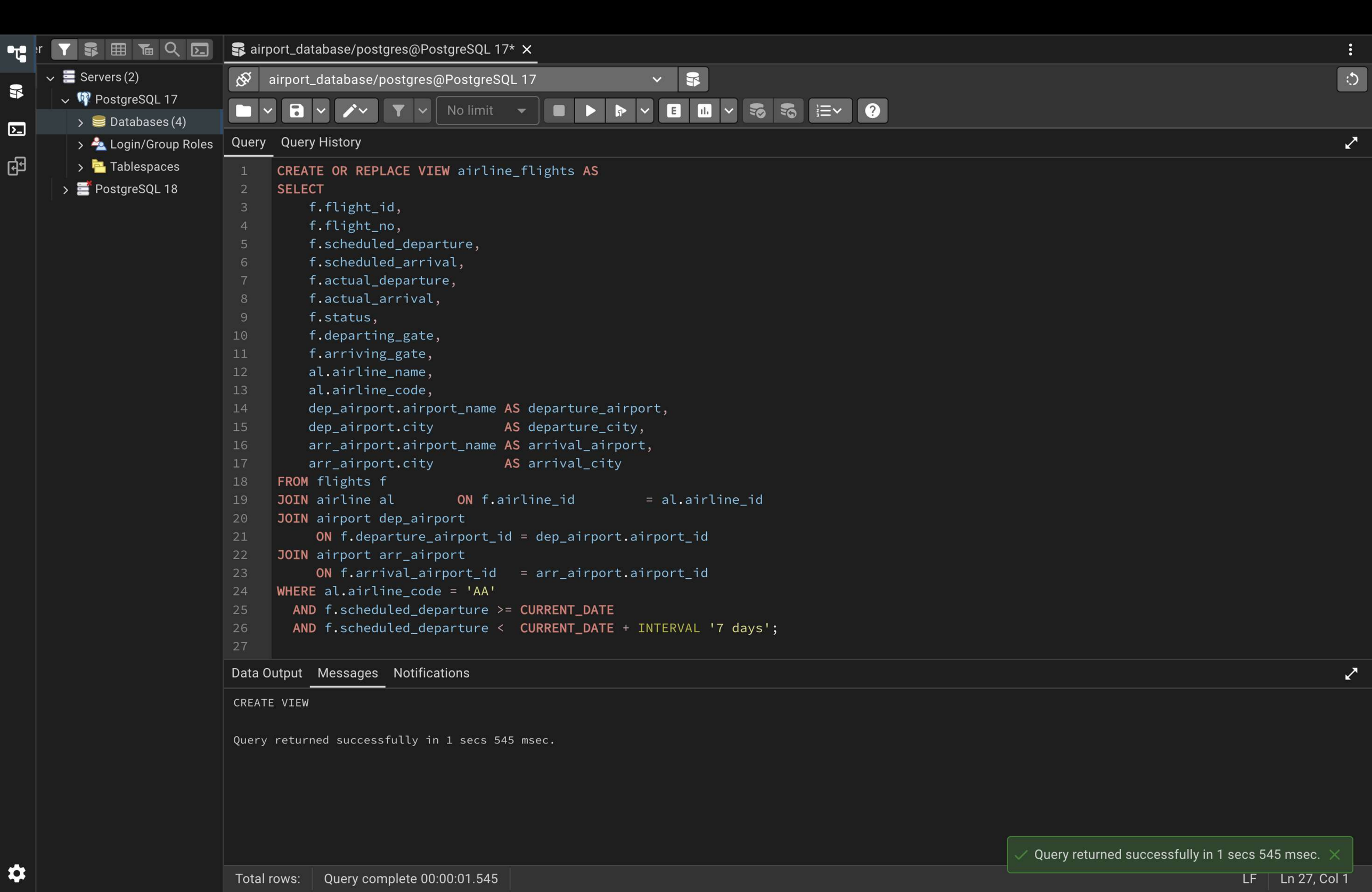

Servers (2)
PostgreSQL 17
Databases (4)
Login/Group Roles
Tablespaces
PostgreSQL 18
airport_database/postgres@PostgreSQL 17*
airport_database/postgres@PostgreSQL 17
No limit
Query
Query History
19 f.scheduled_arrival,
20 f.actual_departure,
21 f.actual_arrival,
22 f.status AS flight_status,
23 f.departing_gate,
24 f.arriving_gate,
25
26 al.airline_code,
27 al.airline_name,
28
29 dep_airport.airport_name AS departure_airport_name,
30 dep_airport.city AS departure_city,
31 dep_airport.country AS departure_country,
32
33 arr_airport.airport_name AS arrival_airport_name,
34 arr_airport.city AS arrival_city,
35 arr_airport.country AS arrival_country,
36
37 bp.seat,
38 bp.boarding_time,
39
40 bg.weight_in_kg AS baggage_weight
41 FROM booking b
42 JOIN passengers p ON b.passenger_id = p.passenger_id
43 JOIN booking_flight bf ON b.booking_id = bf.booking_id
44 JOIN flights f ON bf.flight_id = f.flight_id
45 JOIN airline al ON f.airline_id = al.airline_id
46 JOIN airport dep_airport
47 ON f.departure_airport_id = dep_airport.airport_id
48 JOIN airport arr_airport
49 ON f.arrival_airport_id = arr_airport.airport_id
50 LEFT JOIN boarding_pass bp ON b.booking_id = bp.booking_id
51 LEFT JOIN baggage bg ON b.booking_id = bg.booking_id
52 WHERE f.scheduled_departure >= CURRENT_DATE
53 AND f.scheduled_departure < CURRENT_DATE + INTERVAL '7 days'
54 AND b.status != 'cancelled';
Data Output
Messages
Notifications
Total rows: 6
Query complete 00:00:00.919
LF
Ln 55, Col 1

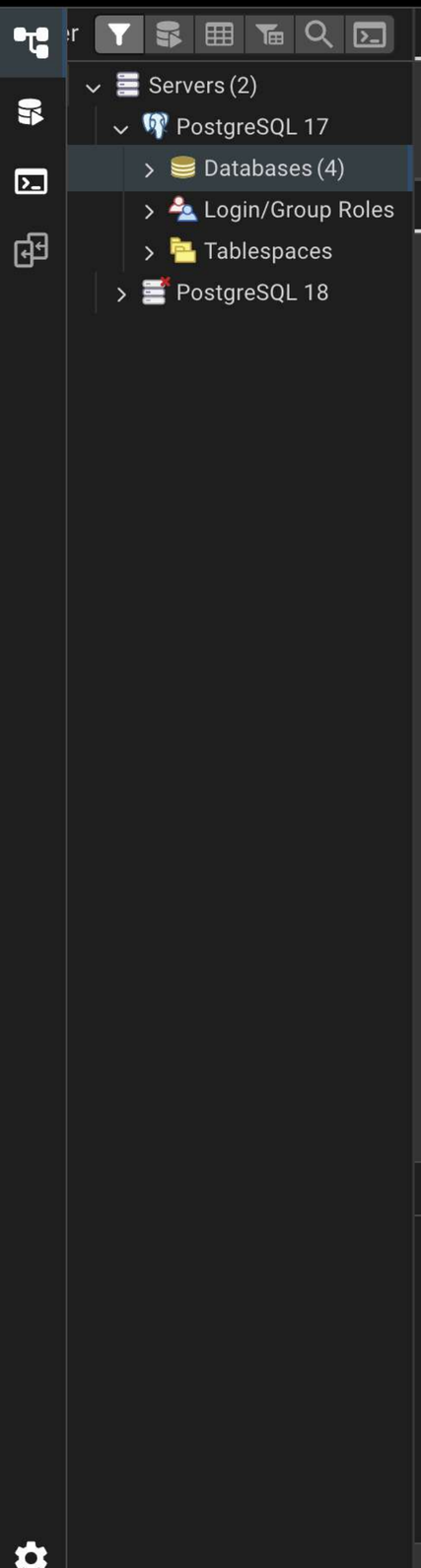

Servers (2)
PostgreSQL 17
Databases (4)
Login/Group Roles
Tablespaces
PostgreSQL 18
airport_database/postgres@PostgreSQL 17*
airport_database/postgres@PostgreSQL 17
No limit
Query
Query History
1 SELECT * FROM upcoming_week_bookings;
2
3 SELECT *
4 FROM upcoming_week_bookings
5 WHERE first_name = 'John'
6 AND last_name = 'Smith';
7
8 SELECT *
9 FROM upcoming_week_bookings
10 WHERE airline_name = 'Delta Airlines'
11 ORDER BY scheduled_departure;
12
Data Output
Messages
Notifications
SQL
booking_id integer
booking_platform character varying (50)
booking_status character varying (50)
price numeric (7,2)
booking_date date
passenger_id integer
first_name character varying (50)
last_name character varying (50)
date_of_birth date
gender character varying
Total rows: 0
Query complete 00:00:00.445
LF
Ln 12, Col 1

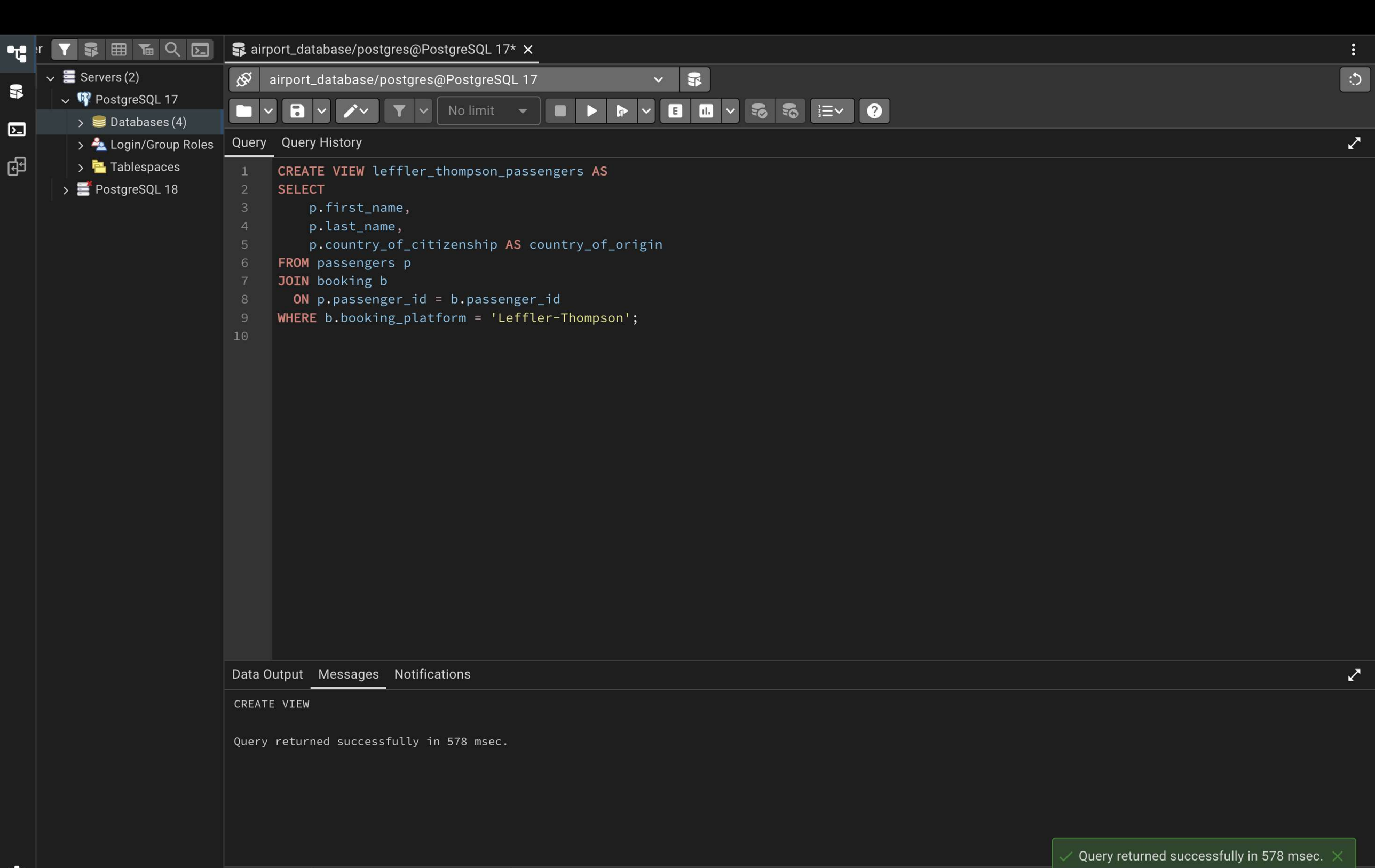

airport_database/postgres@PostgreSQL 17*
Servers (2)
PostgreSQL 17
Databases (4)
Login/Group Roles
Tablespaces
PostgreSQL 18
airport_database/postgres@PostgreSQL 17
No limit
Query
Query History
CREATE VIEW top_5_popular_routes AS
SELECT
ROW_NUMBER() OVER (ORDER BY COUNT(b.booking_id) DESC) AS rank,
COUNT(b.booking_id) AS total_bookings,
dep_airport.city AS departure_city,
dep_airport.airport_name AS departure_airport,
arr_airport.city AS arrival_city,
arr_airport.airport_name AS arrival_airport,
dep_airport.country AS departure_country,
arr_airport.country AS arrival_country,
al.airline_name,
COUNT(DISTINCT f.flight_id) AS number_of_flights,
AVG(b.price) AS average_booking_price
FROM booking b
JOIN booking_flight bf ON b.booking_id = bf.booking_id
JOIN flights f ON bf.flight_id = f.flight_id
JOIN airline al ON f.airline_id = al.airline_id
JOIN airport dep_airport
ON f.departure_airport_id = dep_airport.airport_id
JOIN airport arr_airport
ON f.arrival_airport_id = arr_airport.airport_id
WHERE b.status != 'cancelled'
GROUP BY
dep_airport.city,
dep_airport.airport_name,
arr_airport.city,
arr_airport.airport_name,
dep_airport.country,
arr_airport.country,
al.airline_name
ORDER BY total_bookings DESC
LIMIT 5;
Data Output
Messages
Notifications
SQL
booking_id
booking_platform
booking_status
price
booking_date
passenger_id
first_name
last_name
date_of_birth
gender
Total rows: 0
Query complete 00:00:00.445
LF
Ln 33, Col 1

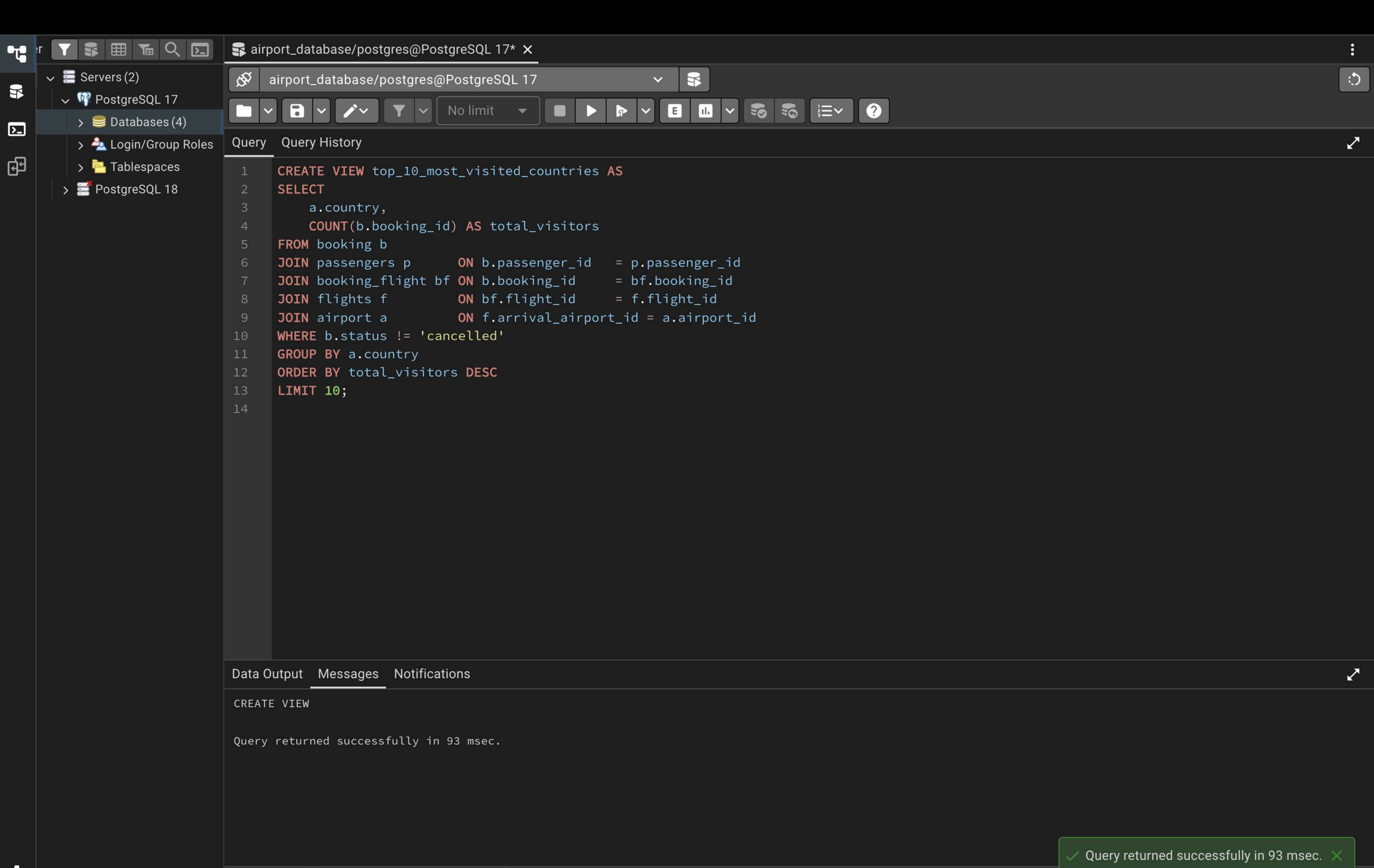

Servers (2)
PostgreSQL 17
Databases (4)
Login/Group Roles
Tablespaces
PostgreSQL 18
airport_database/postgres@PostgreSQL 17*
airport_database/postgres@PostgreSQL 17
No limit
Query
Query History
1 SELECT * FROM top_5_popular_routes;
2
3 SELECT
4 rank,
5 departure_city || ' to ' || arrival_city AS route,
6 total_bookings,
7 average_booking_price
8 FROM top_5_popular_routes;
9
10 SELECT *
11 FROM top_5_popular_routes
12 WHERE departure_city = 'New York'
13 AND arrival_city = 'Los Angeles';
14
Data Output
Messages
Notifications
SQL
rank bigint
total_bookings bigint
departure_city character varying (50)
departure_airport character varying (50)
arrival_city character varying (50)
arrival_airport character varying (50)
departure_country character varying (50)
arrival_country character varying (50)
airline_name character varying (50)
Total rows: 0
Query complete 00:00:01.022
LF
Ln 14, Col 1

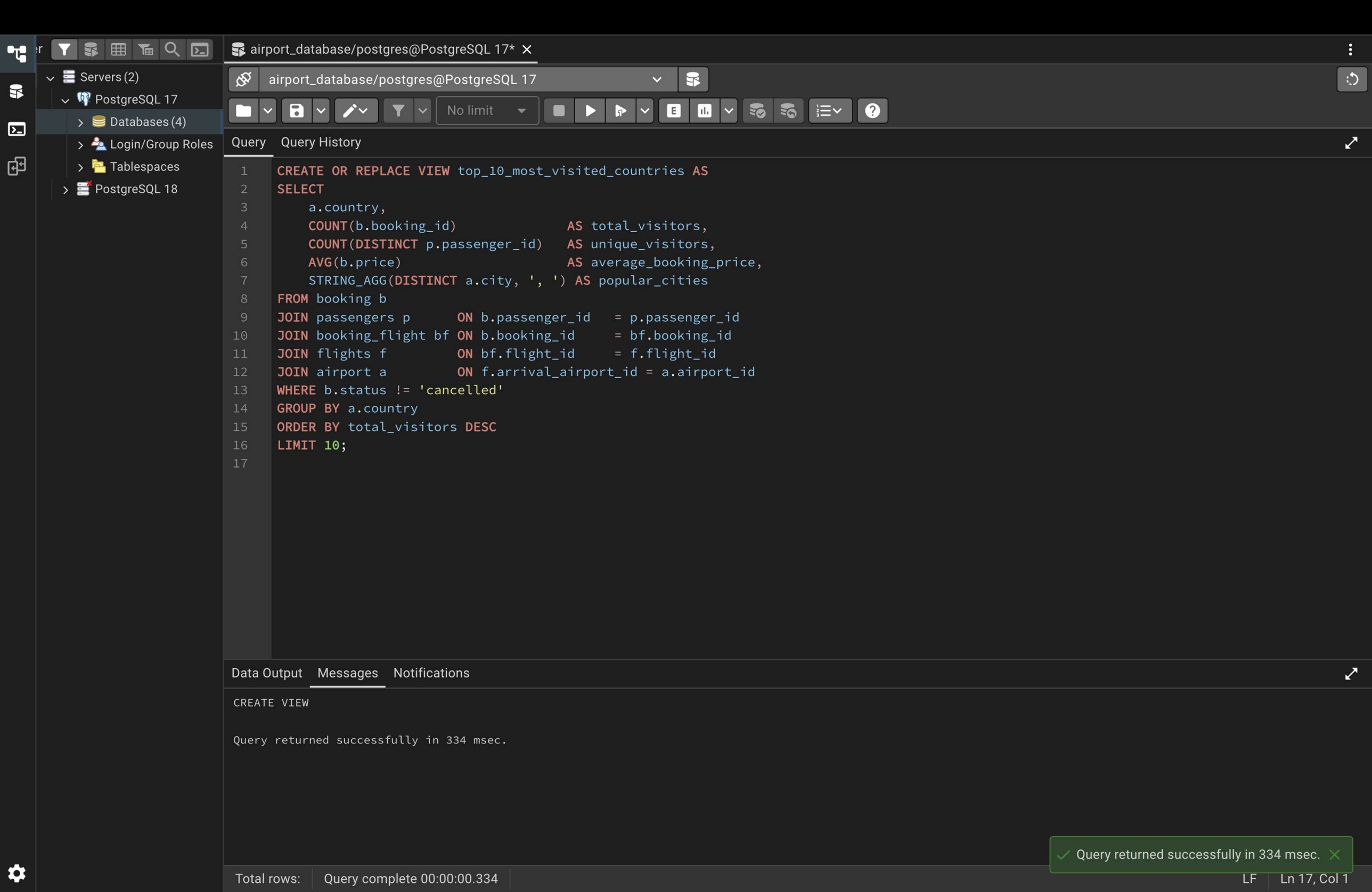

Servers (2)
PostgreSQL 17
Databases (4)
Login/Group Roles
Tablespaces
PostgreSQL 18
airport_database/postgres@PostgreSQL 17*
airport_database/postgres@PostgreSQL 17
No limit
Query
Query History
CREATE VIEW airline_flights AS
SELECT
f.flight_id,
f.flight_no,
f.scheduled_departure,
f.scheduled_arrival,
f.actual_departure,
f.actual_arrival,
f.status,
f.departing_gate,
f.arriving_gate,
al.airline_name,
al.airline_code,
dep_airport.airport_name AS departure_airport,
dep_airport.city AS departure_city,
arr_airport.airport_name AS arrival_airport,
arr_airport.city AS arrival_city
FROM flights f
JOIN airline al ON f.airline_id = al.airline_id
JOIN airport dep_airport
ON f.departure_airport_id = dep_airport.airport_id
JOIN airport arr_airport
ON f.arrival_airport_id = arr_airport.airport_id
WHERE al.airline_code = 'AA';
Data Output
Messages
Notifications
CREATE VIEW
Query returned successfully in 1 secs 267 msec.
Total rows:
Query complete 00:00:01.267
LF
Ln 25, Col 1

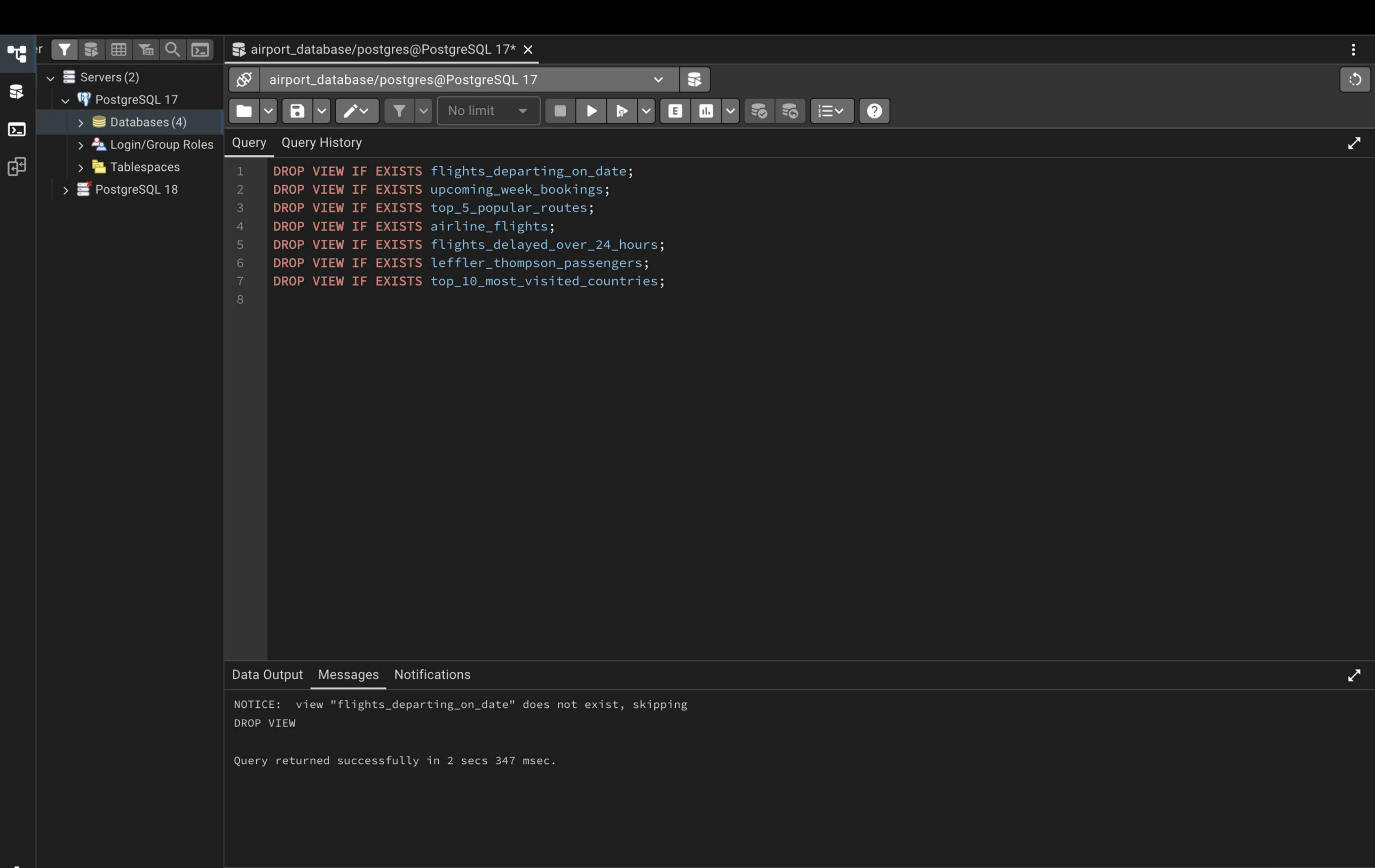

Servers (2)
PostgreSQL 17
Databases (4)
Login/Group Roles
Tablespaces
PostgreSQL 18
airport_database/postgres@PostgreSQL 17*
airport_database/postgres@PostgreSQL 17
No limit
Query
Query History
CREATE OR REPLACE VIEW airline_flights AS
SELECT
f.flight_id,
f.flight_no,
f.scheduled_departure,
f.scheduled_arrival,
f.actual_departure,
f.actual_arrival,
f.status,
f.departing_gate,
f.arriving_gate,
al.airline_name,
al.airline_code,
dep_airport.airport_name AS departure_airport,
dep_airport.city AS departure_city,
arr_airport.airport_name AS arrival_airport,
arr_airport.city AS arrival_city
FROM flights f
JOIN airline al ON f.airline_id = al.airline_id
JOIN airport dep_airport
ON f.departure_airport_id = dep_airport.airport_id
JOIN airport arr_airport
ON f.arrival_airport_id = arr_airport.airport_id
WHERE al.airline_code = 'AA'
AND f.scheduled_departure >= CURRENT_DATE
AND f.scheduled_departure < CURRENT_DATE + INTERVAL '7 days';
Data Output
Messages
Notifications
CREATE VIEW
Query returned successfully in 1 secs 545 msec.
Query returned successfully in 1 secs 545 msec.
Total rows:
Query complete 00:00:01.545
LF
Ln 27, Col 1


Servers (2)
PostgreSQL 17
Databases (4)
Login/Group Roles
Tablespaces
PostgreSQL 18
airport_database/postgres@PostgreSQL 17*
airport_database/postgres@PostgreSQL 17
No limit
Query
Query History
1 CREATE VIEW flights_delayed_over_24_hours AS
2 SELECT
3 f.flight_id,
4 f.flight_no,
5 f.scheduled_departure,
6 f.actual_departure,
7 f.scheduled_arrival,
8 f.actual_arrival,
9 (f.actual_departure - f.scheduled_departure) AS departure_delay,
10 al.airline_name,
11 dep_airport.airport_name AS departure_airport,
12 arr_airport.airport_name AS arrival_airport
13 FROM flights f
14 JOIN airline al ON f.airline_id = al.airline_id
15 JOIN airport dep_airport
16 ON f.departure_airport_id = dep_airport.airport_id
17 JOIN airport arr_airport
18 ON f.arrival_airport_id = arr_airport.airport_id
19 WHERE f.actual_departure IS NOT NULL
20 AND f.actual_departure > f.scheduled_departure + INTERVAL '24 hours';
21
Data Output
Messages
Notifications
CREATE VIEW
Query returned successfully in 1 secs 721 msec.
Query returned successfully in 1 secs 721 msec.
Total rows:
Query complete 00:00:01.721
LF
Ln 21, Col 1


Servers (2)
PostgreSQL 17
Databases (4)
Login/Group Roles
Tablespaces
PostgreSQL 18
airport_database/postgres@PostgreSQL 17*
airport_database/postgres@PostgreSQL 17
No limit
Query
Query History
1 CREATE VIEW leffler_thompson_passengers AS
2 SELECT
3 p.first_name,
4 p.last_name,
5 p.country_of_citizenship AS country_of_origin
6 FROM passengers p
7 JOIN booking b
8 ON p.passenger_id = b.passenger_id
9 WHERE b.booking_platform = 'Leffler-Thompson';
10
Data Output
Messages
Notifications
CREATE VIEW
Query returned successfully in 578 msec.
Query returned successfully in 578 msec.
Total rows:
Query complete 00:00:00.578
LF
Ln 10, Col 1


Servers (2)
PostgreSQL 17
Databases (4)
Login/Group Roles
Tablespaces
PostgreSQL 18
airport_database/postgres@PostgreSQL 17*
airport_database/postgres@PostgreSQL 17
No limit
Query
Query History
1 CREATE VIEW top_10_most_visited_countries AS
2 SELECT
3 a.country,
4 COUNT(b.booking_id) AS total_visitors
5 FROM booking b
6 JOIN passengers p ON b.passenger_id = p.passenger_id
7 JOIN booking_flight bf ON b.booking_id = bf.booking_id
8 JOIN flights f ON bf.flight_id = f.flight_id
9 JOIN airport a ON f.arrival_airport_id = a.airport_id
10 WHERE b.status != 'cancelled'
11 GROUP BY a.country
12 ORDER BY total_visitors DESC
13 LIMIT 10;
14
Data Output
Messages
Notifications
CREATE VIEW
Query returned successfully in 93 msec.
Query returned successfully in 93 msec.
Total rows:
Query complete 00:00:00.093
LF
Ln 14, Col 1


airport_database/postgres@PostgreSQL 17*
Servers (2)
PostgreSQL 17
Databases (4)
Login/Group Roles
Tablespaces
PostgreSQL 18
airport_database/postgres@PostgreSQL 17
No limit
Query
Query History
CREATE OR REPLACE VIEW top_10_most_visited_countries AS
SELECT
a.country,
COUNT(b.booking_id) AS total_visitors,
COUNT(DISTINCT p.passenger_id) AS unique_visitors,
AVG(b.price) AS average_booking_price,
STRING_AGG(DISTINCT a.city, ', ') AS popular_cities
FROM booking b
JOIN passengers p ON b.passenger_id = p.passenger_id
JOIN booking_flight bf ON b.booking_id = bf.booking_id
JOIN flights f ON bf.flight_id = f.flight_id
JOIN airport a ON f.arrival_airport_id = a.airport_id
WHERE b.status != 'cancelled'
GROUP BY a.country
ORDER BY total_visitors DESC
LIMIT 10;
Data Output
Messages
Notifications
CREATE VIEW
Query returned successfully in 334 msec.
Query returned successfully in 334 msec.
Total rows:
Query complete 00:00:00.334
LF
Ln 17, Col 1


airport_database/postgres@PostgreSQL 17*
Servers (2)
PostgreSQL 17
Databases (4)
Login/Group Roles
Tablespaces
PostgreSQL 18
airport_database/postgres@PostgreSQL 17
No limit
Query
Query History
1 DROP VIEW IF EXISTS flights_departing_on_date;
2 DROP VIEW IF EXISTS upcoming_week_bookings;
3 DROP VIEW IF EXISTS top_5_popular_routes;
4 DROP VIEW IF EXISTS airline_flights;
5 DROP VIEW IF EXISTS flights_delayed_over_24_hours;
6 DROP VIEW IF EXISTS leffler_thompson_passengers;
7 DROP VIEW IF EXISTS top_10_most_visited_countries;
8
Data Output
Messages
Notifications
NOTICE: view "flights_departing_on_date" does not exist, skipping
DROP VIEW
Query returned successfully in 2 secs 347 msec.
Total rows:
Query complete 00:00:02.456
LF
Ln 8, Col 1