

1 task

The screenshot shows the pgAdmin 4 interface. The left sidebar displays the 'Object Explorer' with the 'airline' database selected. The 'Tables (10)' folder is expanded, and the 'flights' table is selected. The 'Columns (14)' list is visible, including flight_id, flight_no, scheduled_departure, scheduled_arrival, departure_airport_id, arrival_airport_id, departing_gate, arriving_gate, airline_id, status, actual_departure, actual_arrival, created_at, and update_at. The main query editor shows the following SQL code:

```
--Lab9
--1
CREATE VIEW flight AS
SELECT * FROM flights
WHERE actual_departure = '2023-12-01';
```

The 'Data Output' tab is active, showing the message 'CREATE VIEW' and 'Query returned successfully in 59 msec.' The status bar at the bottom indicates 'Total rows: Query complete 00:00:00.059' and 'CRLF Ln 5774, Col 1'.

2 task

The screenshot shows the pgAdmin 4 interface. The left sidebar displays the 'Object Explorer' with the 'airline' database selected. The 'Tables (10)' folder is expanded, and the 'flights' table is selected. The 'Columns (14)' list is visible. The main query editor shows the following SQL code:

```
--2
CREATE VIEW book_f AS
SELECT f.flight_id, bf.booking_id, bf.booking_flight_id,
f.scheduled_departure
from booking_flight bf
join flight f on f.flight_id=bf.flight_id
where f.scheduled_departure BETWEEN NOW() AND NOW() + INTERVAL '7 days'
```

The 'Data Output' tab is active, showing the message 'CREATE VIEW' and 'Query returned successfully in 76 msec.' The status bar at the bottom indicates 'Total rows: Query complete 00:00:00.076' and 'CRLF Ln 5778, Col 1'.

3 task

Object Explorer

- MY DB
 - Servers (1)
 - PostgreSQL 17
 - Databases (6)
 - airport_2
 - Cast
 - Catalogs
 - Event Triggers
 - Extensions
 - Foreign Data Wrappers
 - Languages
 - Publications
 - Schemas (1)
 - public
 - Aggregates
 - Collations
 - Domains
 - FTS Configurations
 - FTS Dictionaries
 - FTS Parsers
 - FTS Templates
 - Foreign Tables
 - Functions
 - Materialized Views
 - Operators
 - Procedures
 - Sequences
 - Tables (10)
 - airline
 - Columns (6)
 - airline_id
 - airline_code
 - airline_name
 - airline_country
 - created_at
 - update_at

Query

```

5775 where f.scheduled_departure BETWEEN NOW() AND NOW() + INTERVAL '7 days'
5776 --3
5777 CREATE VIEW popular_flights AS
5778 SELECT f.flight_id, arr.airport_name AS arr_airport_name,
5779 dep.airport_name AS dep_airport_name,
5780 COUNT(b.booking_id) AS count_booking
5781 FROM booking b
5782 JOIN booking_flight bf ON b.booking_id = bf.booking_id
5783 JOIN flights f ON f.flight_id = bf.flight_id
5784 JOIN airport arr ON arr.airport_id = f.arrival_airport_id
5785 JOIN airport dep ON dep.airport_id = f.departure_airport_id
5786 GROUP BY f.flight_id, dep.airport_name, arr.airport_name
5787 ORDER BY count_booking DESC
5788 LIMIT 5;
5791 SELECT * from popular_flights
5792
5793

```

Data Output

| flight_id | arr_airport_name | dep_airport_name | count_booking |
|-----------|------------------------------|-----------------------------|---------------|
| 1 | 608 Garbaharey Airport | Figari Sud-Corse Airport | 5 |
| 2 | 350 Akunag Heliport | Amidale Airport | 5 |
| 3 | 207 Elorza Airport | Bermuda Dunes Airport | 5 |
| 4 | 645 Figari Sud-Corse Airport | Alert Bay Airport | 5 |
| 5 | 681 Hana Airport | Fort Worth Alliance Airport | 5 |

Showing rows: 1 to 5 | Page No: 1 | of 1

Total rows: 5 | Query complete 00:00:00.161

You are currently running version 9.6 of pgAdmin 4, however the current version is 9.9.

Please click [here](#) for more information.

CRLF Ln 5787, Col 42

4 task

pgAdmin 4

Object Explorer

- RLS Policies
- Rules
- Triggers
- flights
 - Columns (14)
 - flight_id
 - flight_no
 - scheduled_departure
 - scheduled_arrival
 - departure_airport_id
 - arrival_airport_id
 - departing_gate
 - arriving_gate
 - airline_id
 - status
 - actual_departure
 - actual_arrival
 - created_at
 - update_at
 - Constraints
 - Indexes
 - RLS Policies
 - Rules
 - Triggers
 - passengers
 - security_check
 - Trigger Functions
 - Types
 - Views
 - Subscriptions
 - lab10
 - lab11
 - my_airport
 - postgres
 - suppliers
 - Login/Group Roles
 - Tablespaces

Query

```

5781 --4
5782 CREATE VIEW show_flight AS
5783 SELECT f.flight_id, f.flight_no, f.departure_airport_id, f.arrival_airport_id,
5784 f.scheduled_departure, f.scheduled_arrival, a.airline_name
5785 from flights f
5786 JOIN airline a ON f.airline_id = a.airline_id
5787 WHERE a.airline_name = 'KLE'
5788
5789
5790
5791
5792
5793
5794
5795
5796
5797
5798

```

Data Output

CREATE VIEW

Query returned successfully in 38 msec.

Total rows: | Query complete 00:00:00.038

Query returned successfully in 38 msec.

CRLF Ln 5793, Col 1

5 task

Object Explorer

airport_2/postgres@PostgreSQL 17

```

5882
5883
5884
5885 --5
5886 CREATE OR REPLACE VIEW modif AS
5887 SELECT * FROM flights
5888 WHERE airline_id = 1
5889 AND scheduled_departure BETWEEN '2024-01-12' AND '2024-01-19';
5890 SELECT * FROM modif;
5891
5892
5893
5894 --6
5895 CREATE VIEW delayed_flight AS
5896 SELECT *

```

Data Output Messages Notifications

Showing rows: 1 to 1 Page No: 1 of 1

| flight_id | flight_no | scheduled_departure | scheduled_arrival | departure_airport_id | arrival_airport_id | departing_gate | arriving_gate | airline_id | status | |
|-----------|-----------|---------------------|-------------------|----------------------|--------------------|----------------|---------------|------------|--------|---------|
| 1 | 13 | BR-PE | 2024-01-16 | 2023-06-02 | 13 | 20 | 1891 | 5429 | 1 | Delayed |

Total rows: 1 Query complete 00:00:00.144

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Please click [here](#) for more information.

CRLF Ln 5809, Col 19

6 task

pgAdmin 4

Object Explorer

airport_2/postgres@PostgreSQL 17

```

5892
5893 --6
5894 CREATE VIEW delayed_flight AS
5895 SELECT *,
5896 (actual_departure - scheduled_departure) AS delay_days
5897 FROM flights
5898 WHERE actual_departure IS NOT NULL
5899 AND DATE(actual_departure) > DATE(scheduled_departure) + 1;
5900 SELECT * FROM delayed_flight;
5901
5902
5903
5904
5905
5906
5907
5908
5909
5910
5911
5912
5913
5914
5915
5916
5917
5918
5919
5920

```

Data Output Messages Notifications

Showing rows: 1 to 494 Page No: 1 of 1

| flight_id | flight_no | scheduled_departure | scheduled_arrival | departure_airport_id | arrival_airport_id | departing_gate | arriving_gate | airline_id | status | |
|-----------|-----------|---------------------|-------------------|----------------------|--------------------|----------------|---------------|------------|--------|---------------|
| 1 | 2 | US-NM | 2023-07-21 | 2023-09-17 | 13 | 16 | 4216 | 90 | 34 | Boarding |
| 2 | 3 | FI-OL | 2023-03-29 | 2023-08-01 | 18 | 12 | 47 | 9 | 34 | Boarding |
| 3 | 5 | RO-DJ | 2023-07-03 | 2023-11-28 | 6 | 2 | 626 | 171 | 14 | Check-in open |
| 4 | 6 | CA-SK | 2023-07-07 | 2023-09-11 | 18 | 1 | 1576 | 72 | 34 | Check-in open |
| 5 | 7 | AU-TAS | 2023-10-12 | 2024-02-24 | 15 | 18 | 867 | 15 | 10 | Delayed |
| 6 | 9 | IN-OR | 2023-05-18 | 2023-09-19 | 6 | 9 | 659 | 621 | 13 | Delayed |
| 7 | 11 | TH-S7 | 2023-03-28 | 2023-10-28 | 5 | 5 | 1280 | 3788 | 36 | Delayed |
| 8 | 12 | CA-NL | 2023-03-22 | 2023-06-04 | 12 | 13 | 40 | | | |
| 9 | 14 | US-IN | 2023-07-24 | 2024-02-27 | 18 | 3 | 973 | | | |
| 10 | 17 | ES-AN | 2023-09-10 | 2024-01-07 | 13 | 13 | 297 | | | |
| 11 | 21 | EE-39 | 2023-10-12 | 2024-01-04 | 17 | 7 | 18 | | | |
| 12 | 22 | CA-FMNC | 2023-11-03 | 2023-10-11 | 2 | 2 | 890 | | | |

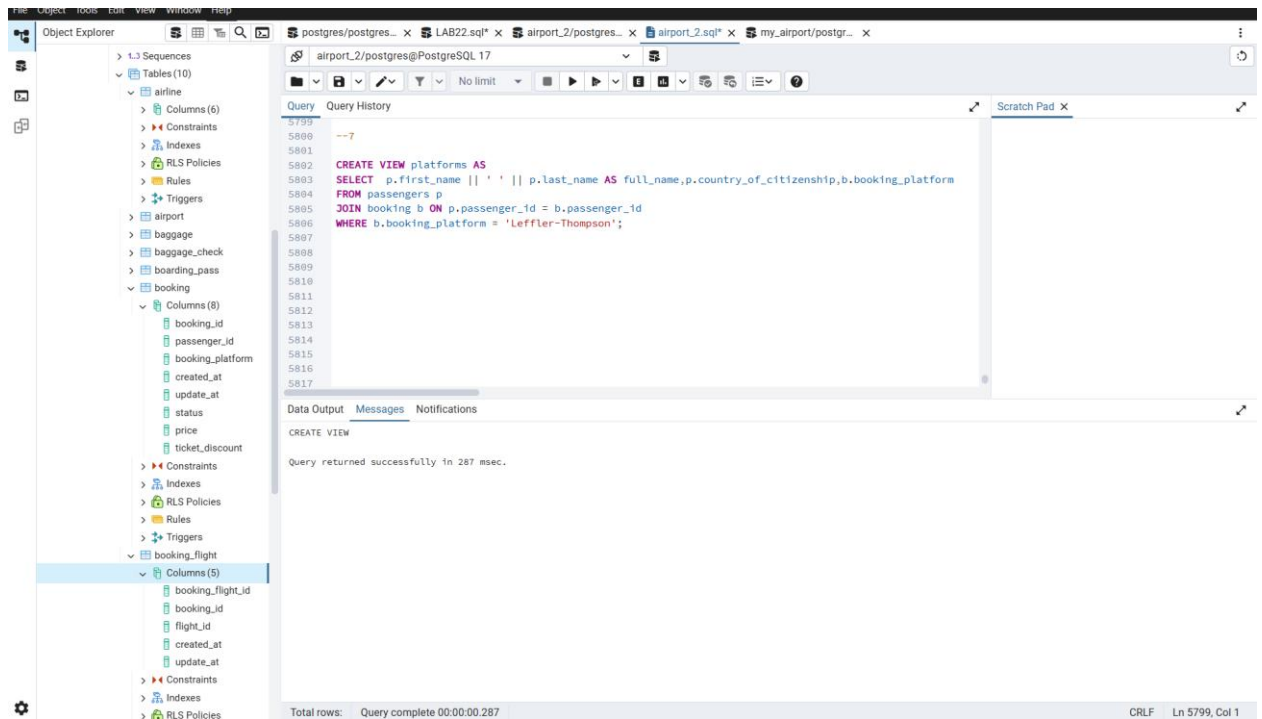
Total rows: 494 Query complete 00:00:00.156

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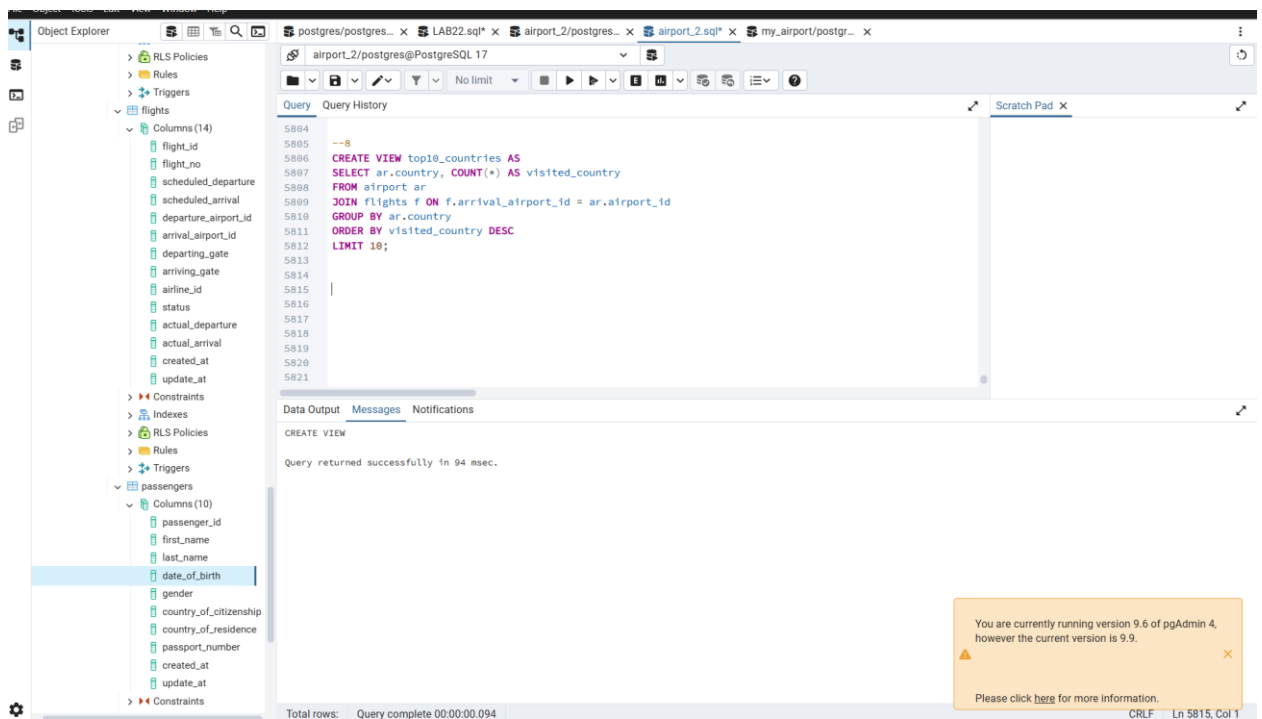
Please click [here](#) for more information.

CRLF Ln 5822, Col 1

7 tasks



8 tasks



9 tasks

PostgreSQL 17 Object Explorer: MY DB > PostgreSQL 17 > Databases (6) > airport_2 > public > Tables (10) > airline > Columns (6) > airline_country

```
--9
CREATE OR REPLACE VIEW tb AS
SELECT flight_id, flight_no, scheduled_departure, airline_id
FROM flights
WHERE scheduled_departure = '2024-01-01';
SELECT * FROM tb;
```

| flight_id | flight_no | scheduled_departure | airline_id | |
|-----------|-----------|---------------------|------------|----|
| 1 | 410 | US-OK | 2024-01-01 | 8 |
| 2 | 730 | US-AK | 2024-01-01 | 10 |

Total rows: 2 Query complete 00:00:00.170

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10 task

PostgreSQL 17 Object Explorer: MY DB > PostgreSQL 17 > Databases (6) > airport_2 > public > Tables (10) > airline > Columns (6) > airline_country

```
--10
DROP VIEW IF EXISTS flight, book_f, popular_flights, show_flight, modif,
delayed_flight, platforms, top10_countries, tb
CASCADE;
```

Query returned successfully in 88 msec.

Total rows: Query complete 00:00:00.088

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