

pgAdmin 4 Object Tools Edit View Window Help pgAdmin 4

Object Explorer Servers(1) PostgreSQL 17 Databases(6) Phonebook def lab2 labw2 postgres techdat Casts Catalogs Event Triggers Extensions Foreign Data Wrappers Languages Publications Schemas(1) public Aggregates Collations Domains FTS Configurations FTS Dictionaries Aa FTS Parsers FTS Templates Foreign Tables Functions Materialized Views Operators Procedures 1.3 Sequences Tables(10) airline airport

Query History

```
--2
CREATE VIEW bookings_next_week AS
SELECT
    b.booking_id,
    b.passenger_id,
    bf.flight_id,
    f.scheduled_departure
FROM booking b
JOIN booking_flight bf ON b.booking_id = bf.booking_id
JOIN flights f ON bf.flight_id = f.flight_id
WHERE f.scheduled_departure BETWEEN CURRENT_DATE
    AND CURRENT_DATE + INTERVAL '7 days';
```

Data Output Messages Notifications

CREATE VIEW

Query returned successfully in 93 msec.

Total rows: Query complete 00:00:00.093 ✓ Query returned successfully in 93 msec. LF Ln 13, Col 1

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Query History

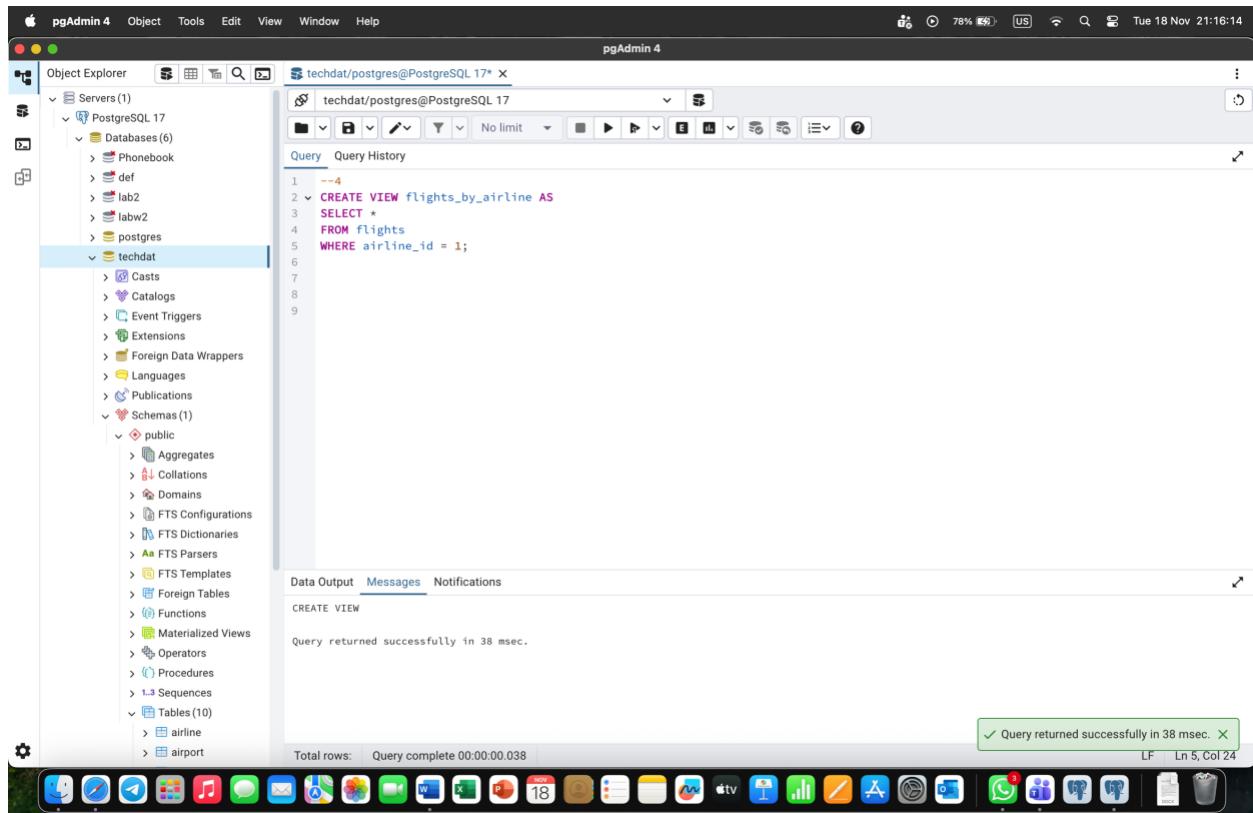
```
--3
CREATE VIEW top5_routes AS
SELECT
    f.departure_airport_id,
    f.arrival_airport_id,
    COUNT(*) AS total_bookings
FROM booking_flight bf
JOIN flights f ON bf.flight_id = f.flight_id
GROUP BY f.departure_airport_id, f.arrival_airport_id
ORDER BY total_bookings DESC
LIMIT 5;
```

Data Output Messages Notifications

CREATE VIEW

Query returned successfully in 79 msec.

Total rows: Query complete 00:00:00.079 ✓ LF Ln 12, Col 1



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Query History

```
1 --5
2 v CREATE OR REPLACE VIEW flights_by_airline AS
3 SELECT *
4 FROM flights
5 WHERE airline_id = 1
6 AND scheduled_departure BETWEEN CURRENT_DATE
    AND CURRENT_DATE + INTERVAL '7 days';
7
8
9
10
11
12
```

Data Output Messages Notifications

CREATE VIEW

Query returned successfully in 58 msec.

Total rows: Query complete 00:00:00.058 LF Ln 8, Col 1

This screenshot shows the pgAdmin 4 interface on a Mac OS X desktop. The left pane displays the Object Explorer with a tree structure of servers, databases, and schema objects. The 'techdat' schema is selected. The right pane contains a query editor window titled 'techdat/postgres@PostgreSQL 17'. The query is a CREATE OR REPLACE VIEW statement for a table named 'flights'. The message area at the bottom indicates the query was executed successfully in 58 msec.

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Query History

```
1 --6
2 v CREATE VIEW flights_delayed_24h AS
3 SELECT
4     flight_id,
5     flight_no,
6     scheduled_departure,
7     actual_departure,
8     (actual_departure - scheduled_departure) AS delay
9 FROM flights
10 WHERE actual_departure IS NOT NULL
11     AND actual_departure > scheduled_departure + INTERVAL '24 hours';
12
13
14
15
16
17
```

Data Output Messages Notifications

CREATE VIEW

Query returned successfully in 44 msec.

Total rows: Query complete 00:00:00.044 LF Ln 12, Col 1

This screenshot shows the pgAdmin 4 interface on a Mac OS X desktop. The left pane displays the Object Explorer with a tree structure of servers, databases, and schema objects. The 'techdat' schema is selected. The right pane contains a query editor window titled 'techdat/postgres@PostgreSQL 17'. The query is a CREATE VIEW statement for a table named 'flights'. The message area at the bottom indicates the query was executed successfully in 44 msec.

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Object Explorer Servers(1) PostgreSQL 17 Databases(6) Phonebook def lab2 labw2 postgres techdat Casts Catalogs Event Triggers Extensions Foreign Data Wrappers Languages Publications Schemas(1) public Aggregates Collations Domains FTS Configurations FTS Dictionaries Aa FTS Parsers FTS Templates Foreign Tables Functions Materialized Views Operators Procedures 1.3 Sequences Tables(10) airline airport

Query History

```
--7
2 v CREATE VIEW passengers_leffler_thompson AS
3   SELECT
4     p.passenger_id,
5     p.first_name || ' ' || p.last_name AS full_name,
6     p.country_of_citizenship,
7     b.booking_id
8   FROM passengers p
9   JOIN booking b ON p.passenger_id = b.passenger_id
10  WHERE b.booking_platform = 'Leffler-Thompson';
11
12
13
14
15
16
17
```

Data Output Messages Notifications

CREATE VIEW

Query returned successfully in 67 msec.

Total rows: Query complete 00:00:00.067 ✓ Query returned successfully in 67 msec. LF Ln 11, Col 1

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Query History

```
--8
2 v CREATE VIEW top10_countries AS
3   SELECT
4     a.country,
5     COUNT(*) AS visits
6   FROM flights f
7   JOIN airport a ON f.arrival_airport_id = a.airport_id
8   GROUP BY a.country
9   ORDER BY visits DESC
10  LIMIT 10;
11
12
13
14
15
16
17
18
```

Data Output Messages Notifications

CREATE VIEW

Query returned successfully in 55 msec.

Total rows: Query complete 00:00:00.055 ✓ LF Ln 11, Col 1

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Object Explorer Servers(1) PostgreSQL 17 Databases(6) Phonebook def lab2 labw2 postgres techdat Casts 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 airport

Query History

```
1 --9
2 v DROP VIEW IF EXISTS
3   flights_by_date,
4   bookings_next_week,
5   top5_routes,
6   flights_by_airline,
7   flights_delayed_24h,
8   passengers_leffler_thompson,
9   top10_countries
10 CASCADE;
```

Data Output Messages Notifications

DROP VIEW

Query returned successfully in 104 msec.

Total rows: Query complete 00:00:00.104 ✓ Query returned successfully in 104 msec. LF Ln 11, Col 1

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Query History

```
1 --10
2 v DROP VIEW IF EXISTS
3   flights_by_date,
4   bookings_next_week,
5   top5_routes,
6   flights_by_airline,
7   flights_delayed_24h,
8   passengers_leffler_thompson,
9   top10_countries
10 CASCADE;
```

Data Output Messages Notifications

NOTICE: view "flights_by_date" does not exist, skipping
NOTICE: view "bookings_next_week" does not exist, skipping
NOTICE: view "top5_routes" does not exist, skipping
NOTICE: view "flights_by_airline" does not exist, skipping
NOTICE: view "flights_delayed_24h" does not exist, skipping
NOTICE: view "passengers_leffler_thompson" does not exist, skipping
NOTICE: view "top10_countries" does not exist, skipping

DROP VIEW

Total rows: Query complete 00:00:00.152 ✓ LF Ln 11, Col 1