

pgAdmin 4

File Object Tools Edit View Window Help

Welcome postgres/postgres@PostgreSQL 17* x

postgres/postgres@PostgreSQL 17

No limit

Execute query

Alt F5

```
--1
2
3 CREATE VIEW flights_on_date AS
4 SELECT *
5 FROM flights
6 WHERE scheduled_departure = '2023-03-19'
7
```

Data Output Messages Notifications

CREATE VIEW

Query returned successfully in 87 msec.

Total rows: Query complete 00:00:00.087

✓ Query returned successfully in 87 msec. ✕

CRLF Ln 2, Col 1

18°C Partly sunny

Search

11:36 AM 11/19/2025

pgAdmin 4

Welcome postgres/postgres@PostgreSQL 17* x

postgres/postgres@PostgreSQL 17

Query Query History

```
--1
2
3 CREATE VIEW flights_on_date AS
4 SELECT *
5 FROM flights
6 WHERE scheduled_departure = '2023-03-19'
7
8 Select * from flights_on_date
```

Data Output Messages Notifications

Showing rows: 1 to 3 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 | actual_departure | actual_arrival |
|-----------|------------------------|---------------------|-------------------|----------------------|--------------------|------------------------|------------------------|------------|------------------------|------------------|----------------|
| integer | character varying (50) | date | date | integer | integer | character varying (50) | character varying (50) | integer | character varying (50) | date | date |
| 1 | 175 PA-B | 2023-03-19 | 2023-08-21 | 19 | 19 | 150 | 38 | 1 | Boarding | 2023-12-25 | 2023-12-25 |
| 2 | 414 ES-AN | 2023-03-19 | 2023-05-01 | 10 | 14 | 297 | 16 | 42 | Boarding | 2023-09-02 | 2023-09-02 |
| 3 | 640 FR-V | 2023-03-19 | 2024-02-15 | 15 | 11 | 5636 | 225 | 6 | Boarding | 2023-12-21 | 2023-12-21 |

Total rows: 3 Query complete 00:00:00.085

18°C Partly sunny

Search

ENG

11:37 AM 11/19/2025

pgAdmin 4

File Object Tools Edit View Window Help

Welcome postgres/postgres@PostgreSQL 17* x

postgres/postgres@PostgreSQL 17

No limit

Query Query History

```
1 --1
2
3 CREATE VIEW flights_on_date AS
4 SELECT *
5 FROM flights
6 WHERE scheduled_departure = '2023-03-19'
7
8 Select * from flights_on_date
9
10 --2
11 CREATE VIEW booking_next_week_from_date AS
12 SELECT FROM booking b
13 JOIN flights f on b.booking_id = f.flight_id
14 WHERE scheduled_departure BETWEEN CURRENT_DATE and CURRENT_DATE + INTERVAL '7 days';
15
```

Data Output Messages Notifications

CREATE VIEW

Query returned successfully in 61 msec.

Total rows: Query complete 00:00:00.061

✓ Query returned successfully in 61 msec. ✕

CRLF Ln 10, Col 4

18°C Partly sunny

Search

ENG

11:47 AM 11/19/2025

pgAdmin 4

File Object Tools Edit View Window Help

Welcome postgres/postgres@PostgreSQL 17* x

postgres/postgres@PostgreSQL 17

No limit

Query Query History

```
9
10 --2
11 CREATE VIEW booking_next_week_from_date AS
12 SELECT FROM booking b
13 JOIN flights f on b.booking_id = f.flight_id
14 WHERE scheduled_departure BETWEEN CURRENT_DATE and CURRENT_DATE + INTERVAL '7 days';
15
16 ✓ SELECT * FROM booking_next_week_from_date
17
18 --3
19 CREATE VIEW top_5_routes AS
20 SELECT
21     f.departure_airport_id,
22     f.arrival_airport_id,
23     COUNT(b.booking_id) AS total_bookings
24 FROM flights f
25 LEFT JOIN booking b ON f.flight_id = b.booking_id
26 GROUP BY f.departure_airport_id, arrival_airport_id
27 ORDER BY total_bookings DESC
28 LIMIT 5;
29
30 SELECT * FROM flights
```

Data Output Messages Notifications

CREATE VIEW

Query returned successfully in 71 msec.

✓ Query returned successfully

CRLF Ln 28, Col 9

Total rows: Query complete 00:00:00.071

13°C Sunny

Search

11:56 AM 11/19/2025

pgAdmin 4

Welcome postgres/postgres@PostgreSQL 17* x

postgres/postgres@PostgreSQL 17

Query Query History

```
--2
CREATE VIEW booking_next_week_from_date AS
SELECT FROM booking b
JOIN flights f on b.booking_id = f.flight_id
WHERE scheduled_departure BETWEEN CURRENT_DATE and CURRENT_DATE + INTERVAL '7 days';

SELECT * FROM booking_next_week_from_date

--3
CREATE VIEW top_5_routes AS
SELECT
    f.departure_airport_id,
    f.arrival_airport_id,
    COUNT(b.booking_id) AS total_bookings
FROM flights f
LEFT JOIN booking b ON f.flight_id = b.booking_id
GROUP BY f.departure_airport_id, arrival_airport_id
ORDER BY total_bookings DESC
LIMIT 5;

SELECT * FROM top_5_routes
```

Data Output Messages Notifications

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

| | departure_airport_id integer | arrival_airport_id integer | total_bookings bigint |
|---|---------------------------------|-------------------------------|--------------------------|
| 1 | 1 | 7 | 5 |
| 2 | 13 | 6 | 5 |
| 3 | 10 | 4 | 4 |
| 4 | 17 | 16 | 4 |
| 5 | 6 | 5 | 4 |

Total rows: 5 Query complete 00:00:00.107

CRLF Ln 30, Col 27

Temps to drop Next Monday

Search

11:57 AM 11/19/2025

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File Object Tools Edit View Window Help

Welcome postgres/postgres@PostgreSQL 17* x

postgres/postgres@PostgreSQL 17

No limit

Query Query History

```
13 JOIN flights f on b.booking_id = f.flight_id
14 WHERE scheduled_departure BETWEEN CURRENT_DATE and CURRENT_DATE + INTERVAL '7 days';
15
16 SELECT * FROM booking_next_week_from_date
17
18 --3
19 CREATE VIEW top_5_routes AS
20 SELECT
21     f.departure_airport_id,
22     f.arrival_airport_id,
23     COUNT(b.booking_id) AS total_bookings
24 FROM flights f
25 LEFT JOIN booking b ON f.flight_id = b.booking_id
26 GROUP BY f.departure_airport_id, arrival_airport_id
27 ORDER BY total_bookings DESC
28 LIMIT 5;
29
30 --4
31 CREATE VIEW flights_by_airline AS
32 SELECT * FROM flights
33 WHERE airline_id = 1
34
```

Data Output Messages Notifications

ERROR: отношение "flights_by_airline" уже существует

ОШИБКА: отношение "flights_by_airline" уже существует

SQL state: 42P07

Total rows: 32 Query complete 00:00:00.087

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12:01 PM 11/19/2025

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Welcome postgres/postgres@PostgreSQL 17* x

postgres/postgres@PostgreSQL 17

No limit

Query Query History

```
20 SELECT
21     f.departure_airport_id,
22     f.arrival_airport_id,
23     COUNT(b.booking_id) AS total_bookings
24 FROM flights f
25 LEFT JOIN booking b ON f.flight_id = b.booking_id
26 GROUP BY f.departure_airport_id, arrival_airport_id
27 ORDER BY total_bookings DESC
28 LIMIT 5;
29
30 --4
31 CREATE VIEW flights_by_airline AS
32 SELECT * FROM flights
33 WHERE airline_id = 1
34
35 --5
36 CREATE OR REPLACE VIEW flights_by_airline AS
37 SELECT *
38 FROM flights
39 WHERE airline_id = 1
40 AND scheduled_departure BETWEEN CURRENT_DATE AND CURRENT_DATE + INTERVAL '7 days';
41
```

Data Output Messages Notifications

CREATE VIEW

Query returned successfully in 75 msec.

✓ Query returned successfully in 75 msec. ✕

Total rows: Query complete 00:00:00.075

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Search

12:08 PM 11/19/2025

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postgres/postgres@PostgreSQL 17

File Object Tools Edit View Window Help

Query Query History

```
26 GROUP BY f.departure_airport_id, arr
27 ORDER BY total_bookings DESC
28 LIMIT 5;
29
30 --4
31 CREATE VIEW flights_by_airline AS
32 SELECT * FROM flights
33 WHERE airline_id = 1
34
35 --5
36 CREATE OR REPLACE VIEW flights_by_airline AS
37 SELECT *
38 FROM flights
39 WHERE airline_id = 1
40 AND scheduled_departure BETWEEN CURRENT_DATE AND CURRENT_DATE + INTERVAL '7 days';
41
42 --6
43 CREATE VIEW delayed_24h AS
44 SELECT *
45 FROM flights
46 WHERE actual_departure - scheduled_departure > 1;
47
```

Execute query

Alt F5

Data Output Messages Notifications

CREATE VIEW

Query returned successfully in 91 msec.

Total rows: Query complete 00:00:00.091

✓ Query returned successfully in 91 msec. ✕

CRLF Ln 42, Col 4

13°C Sunny

Search

12:13 PM 11/19/2025

pgAdmin 4

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postgres/postgres@PostgreSQL 17

Query Query History

```
27 ORDER BY total_bookings DESC
28 LIMIT 5;
29
30 --4
31 CREATE VIEW flights_by_airline AS
32 SELECT * FROM flights
33 WHERE airline_id = 1
34
35 --5
36 CREATE OR REPLACE VIEW flights_by_airline AS
37 SELECT *
38 FROM flights
39 WHERE airline_id = 1
40 AND scheduled_departure BETWEEN CURRENT_DATE AND CURRENT_DATE + INTERVAL '7 days';
41
42 --6
43 CREATE VIEW delayed_24h AS
44 SELECT *
45 FROM flights
46 WHERE actual_departure - scheduled_departure > 1;
47 SELECT * FROM delayed_24h
48
```

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 | actual_departure | act dat |
|-----------|------------------------|---------------------|-------------------|----------------------|--------------------|------------------------|------------------------|------------|------------------------|------------------|---------|
| integer | character varying (50) | date | date | integer | integer | character varying (50) | character varying (50) | integer | character varying (50) | date | dat |
| 1 | 2 US-NM | 2023-07-21 | 2023-09-17 | 13 | 16 | 4216 | 90 | 34 | Boarding | 2024-02-09 | 20 |
| 2 | 3 FI-OL | 2023-03-29 | 2023-08-01 | 18 | 12 | 47 | 9 | 34 | Boarding | 2024-02-21 | 20 |
| 3 | 5 RO-DJ | 2023-07-03 | 2023-11-28 | 6 | 2 | 626 | 171 | 14 | Check-in open | 2023-11-18 | 20 |
| 4 | 6 CA-SK | 2023-07-07 | 2023-09-11 | 18 | 1 | 1576 | 72 | 34 | Check-in open | 2024-02-19 | 20 |
| 5 | 7 AU-TAS | 2023-10-12 | 2024-02-24 | 15 | 18 | 867 | 15 | 10 | Delayed | 2023-12-04 | 20 |
| 6 | 9 IN-OR | 2023-05-18 | 2023-09-19 | 6 | 9 | 659 | 621 | 13 | Delayed | 2023-06-17 | 20 |

Total rows: 494 Query complete 00:00:00.159

Successfully run. Total query runtime: 159 msec. 494 rows affected.

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Welcome postgres/postgres@PostgreSQL 17* x

postgres/postgres@PostgreSQL 17

No limit

Query Query History

```
34
35 --5
36 CREATE OR REPLACE VIEW flights_by_airline AS
37 SELECT *
38 FROM flights
39 WHERE airline_id = 1
40 AND scheduled_departure BETWEEN CURRENT_DATE AND CURRENT_DATE + INTERVAL '7 days';
41
42 --6
43 CREATE VIEW delayed_24h AS
44 SELECT *
45 FROM flights
46 WHERE actual_departure - scheduled_departure > 1;
47 SELECT * FROM delayed_24h
48
49 --7:
50 CREATE VIEW LT_passengers AS
51 SELECT p.first_name, p.last_name, p.country_of_citizenship
52 FROM passengers p
53 JOIN booking b ON b.passenger_id = p.passenger_id
54 WHERE b.booking_platform = 'Leffler-Thompson'
55 GROUP BY p.first_name, p.last_name, p.country_of_citizenship
56 SELECT * FROM booking
```

Data Output Messages Notifications

CREATE VIEW

Query returned successfully in 70 msec.

Total rows: Query complete 00:00:00.070

✓ Query returned successfully in 70 msec. ✕

CRLF Ln 49, Col 4

13°C Sunny

Search

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postgres/postgres@PostgreSQL 17

Query Query History

```
46 WHERE actual_departure - scheduled_d
47 SELECT * FROM delayed_24h
48
49 --7
50 CREATE VIEW LT_passengers AS
51 SELECT p.first_name, p.last_name, p.country_of_citizenship
52 FROM passengers p
53 JOIN booking b ON b.passenger_id = p.passenger_id
54 WHERE b.booking_platform = 'Leffler-Thompson'
55 GROUP BY p.first_name, p.last_name, p.country_of_citizenship
56 SELECT * FROM LT_passengers
57
58 --8
59 CREATE VIEW top_10_countries AS
60 SELECT
61     f.arrival_airport_id,
62     COUNT(b.booking_id) AS visit_count
63 FROM flights f
64 JOIN booking b ON f.flight_id = b.booking_id
65 GROUP BY f.arrival_airport_id
66 ORDER BY visit_count DESC
67 LIMIT 10;
68 select * FROM top_10_countries
```

Data Output Messages Notifications

CREATE VIEW

Query returned successfully in 79 msec.

Total rows: Query complete 00:00:00.079

14°C Mostly cloudy

Search

12:28 PM 11/19/2025

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postgres/postgres@PostgreSQL 17

Query Query History

```
53 JOIN booking b ON b.passenger_id = p.passenger_id
54 WHERE b.booking_platform = 'Leffler-Thompson'
55 GROUP BY p.first_name, p.last_name, p.country_of_citizenship
56 SELECT * FROM LI_passengers
57
58 --8
59 CREATE VIEW top_10_countries AS
60 SELECT
61     f.arrival_airport_id,
62     COUNT(b.booking_id) AS visit_count
63 FROM flights f
64 JOIN booking b ON f.flight_id = b.booking_id
65 GROUP BY f.arrival_airport_id
66 ORDER BY visit_count DESC
67 LIMIT 10;
68 select * FROM top_10_countries
69
70 --9
71 SELECT table_schema, table_name
72 FROM information_schema.views
73 WHERE table_schema = 'public'
74
75 --
```

Data Output Messages Notifications

Showing rows: 1 to 8 Page No: 1 of 1

| | table_schema name | table_name name |
|---|----------------------|-----------------------------|
| 1 | public | flights_by_date |
| 2 | public | flights_on_date |
| 3 | public | booking_next_week_from_date |
| 4 | public | top_5_routes |
| 5 | public | lt_passengers |
| 6 | public | flights_by_airline |

Total rows: 8 Query complete 00:00:00.116

CRLF Ln 74, Col 1

14°C Mostly cloudy 12:39 PM 11/19/2025

pgAdmin 4

Welcome postgres/postgres@PostgreSQL 17* x

postgres/postgres@PostgreSQL 17

Query Query History

```
57 --8
58
59 CREATE VIEW top_10_countries AS
60 SELECT
61     f.arrival_airport_id,
62     COUNT(b.booking_id) AS visit_count
63 FROM flights f
64 JOIN booking b ON f.flight_id = b.booking_id
65 GROUP BY f.arrival_airport_id
66 ORDER BY visit_count DESC
67 LIMIT 10;
68 select * FROM top_10_countries
69
70 --9
71 SELECT table_schema, table_name
72 FROM information_schema.views
73 WHERE table_schema = 'public'
74
75 --10
76 CREATE VIEW drop_it AS
77 SELECT * FROM flights
78 DROP VIEW IF EXISTS drop_it cascade
79
```

Data Output Messages Notifications

DROP VIEW

Query returned successfully in 53 msec.

Total rows: Query complete 00:00:00.053

14°C Mostly cloudy

Search

12:40 PM 11/19/2025

ENG

✓ Query returned successfully in 53 msec. ✕

CRLF Ln 77, Col 22