

pgAdmin 4

File Object Tools Edit View Window Help

Welcome postgres/postgres@PostgreSQL 17*

postgres/postgres@PostgreSQL 17* No limit Execute query [Alt] [F5]

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
```

Data Output Messages Notifications

CREATE VIEW

Query returned successfully in 87 msec.

Total rows: Query complete 00:00:00.087

18°C Partly sunny

Search

11:36 AM 11/19/2025

✓ Query returned successfully in 87 msec. CRLF Ln 2, Col 1

pgAdmin 4

File Object Tools Edit View Window Help

Welcome postgres/postgres@PostgreSQL 17*

postgres/postgres@PostgreSQL 17* No limit

Query History

Query

```
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
```

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	date
1	175	PA-B	2023-03-19	2023-08-21	19	19	150	38	1	Boarding	2023-12-25	2023
2	414	ES-AN	2023-03-19	2023-05-01	10	14	297	16	42	Boarding	2023-09-02	2023
3	640	FR-V	2023-03-19	2024-02-15	15	11	5636	225	6	Boarding	2023-12-21	2023

Total rows: 3 Query complete 00:00:00.085

18°C Partly sunny

Search

11:37 AM 11/19/2025

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File Object Tools Edit View Window Help

Welcome postgres/postgres@PostgreSQL 17*

postgres/postgres@PostgreSQL 17* No limit

Query History

Query

```
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

18°C Partly sunny

Search

CRLF Ln 10, Col 4

11:47 AM 11/19/2025

pgAdmin 4

File Object Tools Edit View Window Help

Welcome postgres/postgres@PostgreSQL 17*

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.

Total rows: Query complete 00:00:00.071

13°C Sunny

Search

Query returned successfully

CRLF Ln 28, Col 9

11:56 AM 11/19/2025

pgAdmin 4

File Object Tools Edit View Window Help

Welcome postgres/postgres@PostgreSQL 17*

postgres/postgres@PostgreSQL 17* No limit

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 top_5_routes;
```

Data Output Messages Notifications

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

	departure_airport_id	arrival_airport_id	total_bookings
1		1	7
2		13	6
3		10	4
4		17	16
5		6	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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Welcome postgres/postgres@PostgreSQL 17*

postgres/postgres@PostgreSQL 17* No limit

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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Search

12:01 PM 11/19/2025

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File Object Tools Edit View Window Help

Welcome postgres/postgres@PostgreSQL 17*

postgres/postgres@PostgreSQL 17* No limit

Query History

Query

```
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.

Total rows: Query complete 00:00:00.075

13°C Sunny

Search

CRLF Ln 35, Col 4

pgAdmin 4

File Object Tools Edit View Window Help

Welcome postgres/postgres@PostgreSQL 17*

postgres/postgres@PostgreSQL 17* No limit Execute query

Query History

```
26 GROUP BY f.departure_airport_id, arr.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
42 --6
43 CREATE VIEW delayed_24h AS
44 SELECT *
45 FROM flights
46 WHERE actual_departure - scheduled_departure > 1;
```

Data Output Messages Notifications

CREATE VIEW

Query returned successfully in 91 msec.

Total rows: Query complete 00:00:00.091

13°C Sunny

Search

CRLF Ln 42, Col 4

pgAdmin 4

File Object Tools Edit View Window Help

Welcome postgres/postgres@PostgreSQL 17*

postgres/postgres@PostgreSQL 17* No limit

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	
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	19	Delayed	2023-06-17	20

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

Total rows: 494 Query complete 00:00:00.159

13°C Sunny

Search

12:13 PM 11/19/2025

pgAdmin 4

File Object Tools Edit View Window Help

Welcome postgres/postgres@PostgreSQL 17*

postgres/postgres@PostgreSQL 17* No limit

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

13°C Sunny

Search

Query returned successfully in 70 msec. CRLF Ln 49, Col 4

pgAdmin 4

File Object Tools Edit View Window Help

Welcome postgres/postgres@PostgreSQL 17*

postgres/postgres@PostgreSQL 17* | No limit | Execute query

Query History

```
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 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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File Object Tools Edit View Window Help

Welcome postgres/postgres@PostgreSQL 17*

postgres/postgres@PostgreSQL 17* No limit

Query History

```
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```

JOIN booking b ON b.passenger_id = p.passenger_id
WHERE b.booking_platform = 'Leffler-Thompson'
GROUP BY p.first_name, p.last_name, p.country_of_citizenship
SELECT * FROM lt_passengers

--8

CREATE VIEW top_10_countries AS

SELECT f.arrival_airport_id,
 COUNT(b.booking_id) AS visit_count

FROM flights f

JOIN booking b ON f.flight_id = b.booking_id

GROUP BY f.arrival_airport_id

ORDER BY visit_count DESC

LIMIT 10;

select * FROM top_10_countries

--9

SELECT table_schema, table_name

FROM information_schema.views

WHERE table_schema = 'public'

--

Data Output Messages Notifications

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

table_schema table_name

	table_schema	table_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_lv_airline

Total rows: 8 Query complete 00:00:00.116

14°C Mostly cloudy

Search

12:39 PM 11/19/2025

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File Object Tools Edit View Window Help

Welcome postgres/postgres@PostgreSQL 17*

postgres/postgres@PostgreSQL 17* No limit Execute query [Alt] [F5]

```
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 v 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 ✓ Query returned successfully in 53 msec. CRLF Ln 77, Col 22

14°C Mostly cloudy

Search

12:40 PM 11/19/2025