

pgAdmin 4 Object Tools Edit View Window Help

Bc, 23 нояб. 19:18

Object Explorer BD_Lab2/postgres@PostgreSQL 17*

Query History

```
1 #1
2 CREATE VIEW flights_by_date AS
3 SELECT *
4 FROM flights
5 WHERE DATE(act_departure_time) = '2025-11-23';
6
7 #2
8 CREATE VIEW bookings_next_week AS
9 SELECT b.*
10 FROM bookings b
11 JOIN flights f ON b.flight_id = f.flight_id
12 WHERE f.departure_time BETWEEN NOW() AND NOW() + INTERVAL 7 DAY;
13
14 #3
15 CREATE VIEW top_5_routes AS
16 SELECT
17     f.departure_city,
18     f.arrival_city,
19     COUNT(b.booking_id) AS booking_count
20 FROM flights f
21 JOIN bookings b ON f.flight_id = b.flight_id
```

Data Output Messages Notifications

CREATE VIEW

Query returned successfully in 70 msec.

Total rows: Query complete 00:00:00.070

LF Ln 2, Col 1

Object Explorer

BD_Lab2/postgres@PostgreSQL 17*

Query History

```
1 #1
2 CREATE VIEW flights_by_date AS
3 SELECT *
4 FROM flights
5 WHERE DATE(act_departure_time) = '2025-11-23';
6
7 #2
8 CREATE VIEW bookings_next_week AS
9 SELECT b.*
10 FROM booking b
11 JOIN flights f ON b.flight_id = f.flight_id
12 WHERE f.act_departure_time BETWEEN NOW() AND NOW() + INTERVAL '7 DAY';
13
14 #3
15 CREATE VIEW top_5_routes AS
16 SELECT
17     f.departure_city,
18     f.arrival_city,
19     COUNT(b.booking_id) as booking_count
20 FROM flights f
21 JOIN bookings b ON f.flight_id = b.flight_id
22 GROUP BY f.departure_city, f.arrival_city
23 ORDER BY booking_count DESC
24 LIMIT 5;
```

Data Output Messages Notifications

CREATE VIEW

Query returned successfully in 101 msec.

Total rows: Query complete 00:00:00.101

LF Ln 8, Col 1

Object Explorer BD_Lab2/postgres@PostgreSQL 17*

Query History

```
FROM booking b
JOIN flights f ON b.flight_id = f.flight_id
WHERE f.act_departure_time BETWEEN NOW() AND NOW() + INTERVAL '7 DAY';

#3
CREATE VIEW top_5_routes AS
SELECT
    f.departing_airport_id,
    f.arriving_airport_id,
    COUNT(b.booking_id) AS booking_count
FROM flights f
JOIN booking b ON f.flight_id = b.flight_id
GROUP BY f.departing_airport_id, f.arriving_airport_id
ORDER BY booking_count DESC
LIMIT 5;

#4.
CREATE VIEW airline_flights AS
SELECT *
FROM flights
WHERE airline = 'Leffler-Thompson';

#5
CREATE OR REPLACE VIEW airline_flights AS
SELECT *
Data Output    Messages    Notifications
```

CREATE VIEW

Query returned successfully in 68 msec.

Total rows: Query complete 00:00:00.068 LF Ln 15, Col 1

Object Explorer BD_Lab2/postgres@PostgreSQL 17*

Query History

```
14 #3
15 CREATE VIEW top_5_routes AS
16 SELECT
17     f.departing_airport_id,
18     f.arriving_airport_id,
19     COUNT(b.booking_id) as booking_count
20 FROM flights f
21 JOIN booking b ON f.flight_id = b.flight_id
22 GROUP BY f.departing_airport_id, f.arriving_airport_id
23 ORDER BY booking_count DESC
24 LIMIT 5;
25
26 #4.
27 CREATE VIEW airline_flights AS
28 SELECT *
29 FROM airline
30 WHERE airline_name = 'Leffler-Thompson';
31
32 #5
33 CREATE OR REPLACE VIEW airline_flights AS
34 SELECT *
35 FROM flights
36 WHERE airline = 'Leffler-Thompson'
37 AND departure_time BETWEEN NOW() AND NOW() + INTERVAL 7 DAY;
38
```

Data Output Messages Notifications

CREATE VIEW

Query returned successfully in 80 msec.

Total rows: Query complete 00:00:00.080 ✓ Query returned successfully in 80 msec. LF Ln 27, Col 1

Object Explorer

BD_Lab2/postgres@PostgreSQL 17*

Query History

```
21 JOIN booking b ON f.flight_id = b.flight_id
22 GROUP BY f.departing_airport_id, f.arriving_airport_id
23 ORDER BY booking_count DESC
24 LIMIT 5;
25
26 #4.
27 CREATE VIEW airline_flights AS
28 SELECT *
29 FROM airline
30 WHERE airline_name = 'Leffler-Thompson';
31
32 #5
33 CREATE OR REPLACE VIEW airline_flights AS
34 SELECT f.*
35 FROM flights f
36 JOIN airline a ON f.airline_id = a.airline_id
37 WHERE a.airline_name = 'Leffler-Thompson'
38 AND f.act_departure_time BETWEEN NOW() AND NOW() + INTERVAL '7 days';
39
40
41
42
43 #6
44 CREATE VIEW delayed_flights AS
45 SELECT *
```

Data Output

CREATE VIEW

Query returned successfully in 46 msec.

Total rows: Query complete 00:00:00.046

LF Ln 33, Col 1

Object Explorer BD_Lab2/postgres@PostgreSQL 17*

Query History

```

34 SELECT r.*  

35 FROM flights f  

36 JOIN airline a ON f.airline_id = a.airline_id  

37 WHERE a.airline_name = 'Leffler-Thompson'  

38     AND f.act_departure_time BETWEEN NOW() AND NOW() + INTERVAL '7 days';  

39  

40  

41  

42  

43 #6  

44 CREATE OR REPLACE VIEW delayed_flights AS  

45 SELECT *  

46 FROM flights  

47 WHERE act_departure_time > sch_departure_time + INTERVAL '24 hours';  

48  

49  

50 #7  

51 CREATE VIEW leffler_thompson_passengers AS  

52 SELECT  

53     p.first_name,  

54     p.last_name,  

55     p.country  

56 FROM passengers p  

57 JOIN bookings b ON p.passenger_id = b.passenger_id  

58 JOIN flights f ON b.flight_id = f.flight_id  

59 WHERE f.airline = 'Leffler-Thompson';

```

Data Output Messages Notifications

CREATE VIEW

Query returned successfully in 84 msec.

Total rows: Query complete 00:00:00.084

✓ Query returned successfully in 84 msec. ×

LF Ln 44, Col 1

Object Explorer BD_Lab2/postgres@PostgreSQL 17*

BD_Lab2/postgres@PostgreSQL 17

No limit

Query History

```
41
42
43 #6
44 CREATE OR REPLACE VIEW delayed_flights AS
45 SELECT *
46 FROM flights
47 WHERE act_departure_time > sch_departure_time + INTERVAL '24 hours';
48
49
50 #7
51 CREATE OR REPLACE VIEW leffler_thompson_passengers AS
52 SELECT
53     p.first_name,
54     p.last_name,
55     p.country_of_citizenship
56 FROM passengers p
57 JOIN booking b ON p.passenger_id = b.passenger_id
58 JOIN flights f ON b.flight_id = f.flight_id
59 JOIN airline a ON f.airline_id = a.airline_id
60 WHERE a.airline_name = 'Leffler-Thompson';
61
62
63
64 SELECT * FROM leffler_thompson_passengers;
65
```

Data Output Messages Notifications

CREATE VIEW

Query returned successfully in 57 msec.

Total rows: Query complete 00:00:00.057

✓ Query returned successfully in 57 msec. ×

LF Ln 51, Col 1

Object Explorer BD_Lab2/postgres@PostgreSQL 17*

Triggers

flights

Columns (12)

- flight_id
- sch_departure_time
- sch_arrival_time
- departing_airport_id
- arriving_airport_id
- departing_gate
- arriving_gate
- airline_id
- act_departure_time
- act_arrival_time
- created_at
- updated_at

Constraints

Indexes

RLS Policies

Rules

Triggers

passengers

Columns (10)

- passenger_id
- first_name
- last_name
- date_of_birth
- gender
- country_of_citizenship
- country_of_residence
- passport_number
- created_at
- updated_at

Constraints

Indexes

RLS Policies

BD_Lab2/postgres@PostgreSQL 17*

No limit

Query History

```
57 JOIN booking b ON p.passenger_id = b.passenger_id
58 JOIN flights f ON b.flight_id = f.flight_id
59 JOIN airline a ON f.airline_id = a.airline_id
60 WHERE a.airline_name = 'Leffler-Thompson';
61
62
63
64 SELECT * FROM leffler_thompson_passengers;
65
66 #8.
67 CREATE VIEW top_10_countries AS
68 SELECT
69     p.country_of_citizenship,
70     COUNT(b.booking_id) as visit_count
71 FROM passengers p
72 JOIN booking b ON p.passenger_id = b.passenger_id
73 GROUP BY p.country_of_citizenship
74 ORDER BY visit_count DESC
75 LIMIT 10;
76
77 #9
78 CREATE OR REPLACE VIEW top_5_routes AS
79 SELECT
80     f.departure_city,
81     f.arrival_city,
```

Data Output Messages Notifications

CREATE VIEW

Query returned successfully in 88 msec.

Total rows: Query complete 00:00:00.088

✓ Query returned successfully in 88 msec. ×

LF Ln 67, Col 1

Object Explorer BD_Lab2/postgres@PostgreSQL 17*

Query History

```
73 GROUP BY p.country_of_citizenship
74 ORDER BY visit_count DESC
75 LIMIT 10;
76
77 #9
78 CREATE OR REPLACE VIEW top_5_routes AS
79 SELECT
80     da.city AS departure_city,
81     aa.city AS arrival_city,
82     al.airline_name AS airline,
83     COUNT(b.booking_id) AS booking_count,
84     AVG(b.price) AS avg_booking_amount
85 FROM flights f
86 JOIN booking b ON f.flight_id = b.flight_id
87 JOIN airport da ON f.departing_airport_id = da.airport_id
88 JOIN airport aa ON f.arriving_airport_id = aa.airport_id
89 JOIN airline al ON f.airline_id = al.airline_id
90 GROUP BY da.city, aa.city, al.airline_name
91 ORDER BY booking_count DESC
92 LIMIT 5;
93
94
95
96
97 SELECT * FROM top_5_routes;
```

Data Output Messages Notifications

CREATE VIEW

Query returned successfully in 77 msec.

Total rows: Query complete 00:00:00.077

✓ Query returned successfully in 77 msec. X

LF Ln 78, Col 1

Object Explorer BD_Lab2/postgres@PostgreSQL 17*

Query History

```
82     al.airline_name AS airline,
83     COUNT(b.booking_id) AS booking_count,
84     AVG(b.price) AS avg_booking_amount
85   FROM flights f
86   JOIN booking b ON f.flight_id = b.flight_id
87   JOIN airport da ON f.departing_airport_id = da.airport_id
88   JOIN airport aa ON f.arriving_airport_id = aa.airport_id
89   JOIN airline al ON f.fairline_id = al.airline_id
90 GROUP BY da.city, aa.city, al.airline_name
91 ORDER BY booking_count DESC
92 LIMIT 5;
```

SELECT * FROM top_5_routes;

99 #10

```
100 DROP VIEW IF EXISTS flights_by_date;
101 DROP VIEW IF EXISTS bookings_next_week;
102 DROP VIEW IF EXISTS top_5_routes;
103 DROP VIEW IF EXISTS airline_flights;
104 DROP VIEW IF EXISTS delayed_flights;
105 DROP VIEW IF EXISTS leffler_thompson_passengers;
106 DROP VIEW IF EXISTS top_10_countries;
```

Data Output Messages Notifications

DROP VIEW

Query returned successfully in 65 msec.

Total rows: Query complete 00:00:00.065 ✓ Query returned successfully in 65 msec. LF Ln 100, Col 1