

pgAdmin 4

FileObjectToolsEditViewWindowHelp

Object

Servers (2)

- PostgreSQL 17
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Lab8.sql x

airport/postgres@PostgreSQL 17

No limit

QueryQuery History

Scratch Pad x

Query

5415

5416

5417

5418

5419

----- Lab 8

-- 1

CREATE VIEW flights_on_spec_date AS

SELECT * FROM flights WHERE scheduled_departure = '2023-11-03';

Data OutputMessagesNotifications

CREATE VIEW

Query returned successfully in 51 msec.

Query returned successfully in 51 msec.

Total rows:Query complete 00:00:00.051CRLF Ln 5417, Col 1

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E

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Query

Query History

Scratch Pad X

5421

-- 2

5422

CREATE VIEW flights_next_week AS

5423

SELECT * FROM flights WHERE EXTRACT(YEAR FROM scheduled_departure) = 2025

5424

AND EXTRACT(MONTH FROM scheduled_departure) = 11

5425

AND EXTRACT(DAY FROM scheduled_departure) >= 24;

Data Output

Messages

Notifications

CREATE VIEW

Query returned successfully in 36 msec.

Query returned successfully in 36 msec.

Total rows:

Query complete 00:00:00.036

CRLF

Ln 5422, Col 1

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No limit

QueryQuery History

Scratch Pad

5427-- 3

5428CREATE VIEW most_popular_flights AS

5429SELECT f.departure_airport_id, f.arrival_airport_id, COUNT(b.booking_id) AS total_bookings

5430FROM flights f JOIN booking_flight bf ON f.flight_id = bf.flight_id

5431JOIN booking b ON bf.booking_id = b.booking_id

5432GROUP BY f.departure_airport_id, f.arrival_airport_id ORDER BY COUNT(b.booking_id) DESC LIMIT 5;

Data OutputMessagesNotifications

CREATE VIEW

Query returned successfully in 35 msec.

Query returned successfully in 35 msec.

Total rows:Query complete 00:00:00.035

CRLFLn 5428, Col 1

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Query

Query History

Scratch Pad

5434

5435

5436

-- 4

CREATE VIEW flights_for_spec_airline AS

SELECT * FROM flights WHERE airline_id = 1;

Data Output

Messages

Notifications

CREATE VIEW

Query returned successfully in 37 msec.

✓ Query returned successfully in 37 msec.

Total rows:

Query complete 00:00:00.037

CRLF

Ln 5435, Col 1

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No limit

Query

Query History

Scratch Pad

5438

-- 5

5439

CREATE OR REPLACE VIEW flights_for_spec_airline AS

5440

SELECT * FROM flights WHERE airline_id = 1 AND EXTRACT(YEAR FROM actual_departure) = 2025

5441

AND EXTRACT(MONTH FROM actual_departure) = 11 AND EXTRACT(DAY FROM actual_departure) BETWEEN 19 AND 25;

Data Output

Messages

Notifications

CREATE VIEW

Query returned successfully in 36 msec.

Query complete 00:00:00.036

CRLF

Ln 5439, Col 1

✓ Query returned successfully in 36 msec. ✕

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No limit

Query

Query History

Scratch Pad

5442

5443

5444

5445

5446

-- 6

CREATE VIEW delayed_flights AS

SELECT * FROM flights WHERE actual_departure > scheduled_departure + INTERVAL '24 hours';

Data Output

Messages

Notifications

CREATE VIEW

Query returned successfully in 39 msec.

Total rows:

Query complete 00:00:00.039

CRLF

Ln 5444, Col 1

Query returned successfully in 39 msec.

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Query

Query History

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Showing rows: 1 to 1

Page No: 1

of 1

	full_name text	country_of_residence character varying (50)
1	Philbert Shambro...	China

Successfully run. Total query runtime: 54 msec. 1 rows affected.

Total rows: 1

Query complete 00:00:00.054

CRLF

Ln 5448, Col 1

```
-- 7
CREATE VIEW leffler_thompson AS
SELECT p.first_name || ' ' || p.last_name AS full_name, p.country_of_residence
FROM passengers p JOIN booking b ON p.passenger_id = b.passenger_id
WHERE b.booking_platform = 'Leffler-Thompson';
SELECT * FROM leffler_thompson;
```


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QueryQuery History

Scratch Pad

5454-- 8

5455CREATE VIEW most_visited_countries AS

5456SELECT a.country, COUNT(b.booking_id) AS total_flights

5457FROM airport a JOIN flights f ON a.airport_id = f.arrival_airport_id

5458JOIN booking_flight bf ON f.flight_id = bf.flight_id

5459JOIN booking b ON bf.booking_id = b.booking_id

5460GROUP BY a.country ORDER BY COUNT(b.booking_id) DESC LIMIT 10;

Data OutputMessagesNotifications

CREATE VIEW

Query returned successfully in 43 msec.

Total rows:Query complete 00:00:00.043

CRLF Ln 5455, Col 1

Query returned successfully in 43 msec.

	<div>scheduled_departure_date</div> <div><div><div></div></div></div>	<div>scheduled_arrival_date</div> <div><div><div></div></div></div>	<div>departure_airport_id</div> <div><div><div></div></div></div> <div>integer</div>	<div>arrival_airport_id</div> <div><div><div></div></div></div> <div>integer</div>	<div>departing_gate</div> <div><div><div></div></div></div> <div>character varying (50)</div>	<div>arriving_gate</div> <div><div><div></div></div></div> <div>character varying (50)</div>	<div>airline_id</div> <div><div><div></div></div></div> <div>integer</div>	<div>status</div> <div><div><div></div></div></div> <div>character varying (50)</div>	<div>actual_departure_date</div> <div><div><div></div></div></div>	<div>actual_arrival_date</div> <div><div><div></div></div></div>
1	2023-07-21	2023-09-17	13	16	4216	90	34	Boarding	2024-02-09	2024-02-09
2	2023-03-29	2023-08-01	18	12	47	9	34	Boarding	2024-02-21	2023-12-21
3	2023-07-07	2023-09-11	18	1	1576	72	34	Check-in open	2024-02-19	2023-12-19
4	2023-03-28	2023-10-28	5	5	1280	3288	46	Delayed	2024-02-06	2023-12-06
5	2023-07-24	2024-02-27	18	3	973	297	8	Delayed	2024-03-04	2023-12-04
6	2023-05-13	2023-05-24	11	2	1027	190	43	Delayed	2024-02-24	2023-12-24
7	2023-04-28	2023-11-06	7	16	919	7050	38	Departed	2023-12-21	2023-12-21
8	2023-03-29	2023-05-06	12	14	[null]	13	1	Delayed	2023-12-30	2023-12-30
9	2023-03-25	2023-09-01	17	6	1691	973	28	Delayed	2024-02-01	2023-12-01
10	2023-04-10	2023-09-17	8	14	993	3700	37	Delayed	2024-03-09	2024-03-09
11	2023-04-12	2023-11-26	8	3	95	26	9	Boarding	2023-11-22	2023-11-22
12	2023-08-28	2023-11-08	16	20	3810	778	37	Delayed	2024-03-17	2023-12-17
13	2023-04-03	2023-03-21	10	16	577	774	33	Delayed	2023-10-09	2023-10-09
14	2023-06-05	2023-08-01	7	19	1827	255	23	Delayed	2024-02-04	2024-02-04
15	2023-04-02	2024-02-10	9	8	1307	990	2	Boarding	2023-11-06	2024-01-06
16	2023-07-12	2023-10-20	5	5	62	23	12	Boarding	2024-02-29	2023-12-29
17	2023-03-21	2023-05-24	1	18	249	236	12	Delayed	2023-12-31	2023-12-31
18	2023-09-06	2023-08-17	13	3	112	[null]	47	Boarding	2024-03-11	2024-03-11
19	2023-03-19	2023-08-21	19	19	150	38	1	Boarding	2023-12-25	2023-12-25

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Query

Query History

Scratch Pad

Data Output

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Notifications

DROP VIEW

Query returned successfully in 68 msec.

5465

5466

5467

5468

5469

SELECT * FROM delayed_flights,

-- 10

DROP VIEW flights_on_spec_date, flights_next_week, most_popular_flights, flights_for_spec_airline,

delayed_flights, leffler_thompson, most_visited_countries;

✓ Query returned successfully in 68 msec. ✕

Total rows:Query complete 00:00:00.068

CRLF

Ln 5468, Col 1