

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer Servers

Processes X suppliers/postgres@PostgreSQL 17* X public.booking/su... X public.booking_flg... X public.booking/su... X suppliers/postgre... X

suppliers/postgres@PostgreSQL 17

Query Query History Scratch Pad

```
1 -- 1 task
2 CREATE VIEW task1 AS SELECT * FROM flights WHERE scheduled_departure = '2023-09-08';
3 SELECT * FROM task1;
4
5 -- 2 task
6 CREATE VIEW task2 SELECT b.*, f.scheduled_departure FROM booking b
7 JOIN booking_flight bf ON b.booking_id = bf.booking_id
8 JOIN flights f ON bf.flight_id = f.flight_id
9 WHERE f.scheduled_departure BETWEEN '2024-01-12' AND '2024-01-19';
10 SELECT * FROM task2;
11
12 --3 task
13 CREATE VIEW task3 AS
14 SELECT
15     a_from.airport_name AS origin_airport,
16     a_to.airport_name AS destination_airport,
17     COUNT(*) AS total_bookings
```

Data Output Messages Notifications

Showing rows: 1 to 3 Page No: 1 of 1

	flight_id integer	flight_no character varying (50)	scheduled_departure date	scheduled_arrival date	departure_airport_id integer	arrival_airport_id integer	departing_gate character varying (50)	arriving_gate character varying (50)	airline_id integer
1	430	BR-RS	2023-09-08	2023-11-10	8	11	2723	33	26
2	603	AU-QLD	2023-09-08	2023-04-16	11	10	1509	2310	17
3	880	US-OH	2023-09-08	2023-04-25	5	17	483	3	31

Total rows: 3 Query complete 00:00:00.059

Successfully run. Total query runtime: 59 msec. 3 rows affected.

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suppliers/postgres@PostgreSQL 17

Query Query History Scratch Pad

```
1 -- 1 task
2 CREATE VIEW task1 AS SELECT * FROM flights WHERE scheduled_departure = '2023-09-08';
3 SELECT * FROM task1;
4
5 -- 2 task
6 CREATE VIEW task2 AS SELECT b.*, f.scheduled_departure FROM booking b
7 JOIN booking_flight bf ON b.booking_id = bf.booking_id
8 JOIN flights f ON bf.flight_id = f.flight_id
9 WHERE f.scheduled_departure BETWEEN '2024-01-12' AND '2024-01-19';
10 SELECT * FROM task2;
11
12 --3 task
13 CREATE VIEW task3 AS
14 SELECT
15     a_from.airport_name AS origin_airport,
16     a_to.airport_name AS destination_airport,
17     COUNT(*) AS total_bookings
```

Data Output Messages Notifications

Showing rows: 1 to 25 Page No: 1 of 1

	booking_id integer	passenger_id integer	booking_platform character varying (50)	created_at date	update_at date	status character varying (50)	price numeric (7,2)	ticket_discount numeric (7,2)	scheduled_departure date
1	144	159	Cormier LLC	2023-08-20	2023-11-18	Female	1925.47	[null]	2024-01-17
2	35	86	Keeling, Moore and Bashirian	2024-02-26	2023-12-19	Male	3116.63	[null]	2024-01-12
3	255	6	Murphy-Baumbach	2023-11-24	2023-06-23	Male	4769.92	[null]	2024-01-13
4	209	164	Gibson and Sons	2023-10-07	2023-08-14	Male	9604.95	[null]	2024-01-19
5	320	3	Renner-Tillman	2023-05-28	2023-12-25	Female	9509.68	[null]	2024-01-15
6	162	192	O'Conner-Hansen	2024-01-27	2023-04-13	Female	4012.20	[null]	2024-01-16
7	43	5	Abshire, Bernier and Terry	2023-08-13	2023-05-05	Female	9977.57	[null]	2024-01-19
8	33	10	Goyette-Howe	2023-09-17	2024-02-21	Male	3127.19	[null]	2024-01-12
9	324	19	Turner-Corwin	2024-01-12	2023-12-20	Male	2408.60	[null]	2024-01-16
10	382	81	Carter LLC	2023-08-31	2023-08-13	Male			
11	477	78	Michal LLC	2023-08-07	2023-06-19	Male			

Total rows: 25 Query complete 00:00:00.066

Successfully run. Total query runtime: 66 msec. 25 rows affected.

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suppliers/postgres@PostgreSQL 17

Query Query History Scratch Pad

```
10 SELECT * FROM task2;
11
12 --3 task
13 CREATE VIEW task3 AS
14 SELECT
15     a.from.airport_name AS origin_airport,
16     a.to.airport_name AS destination_airport,
17     COUNT(*) AS total_bookings
18 FROM booking_flight bf
19 JOIN flights f ON bf.flight_id = f.flight_id
20 JOIN airport a FROM ON f.departure_airport_id = a.from.airport_id
21 JOIN airport a TO ON f.arrival_airport_id = a.to.airport_id
22 GROUP BY origin_airport, destination_airport
23 ORDER BY total_bookings DESC
24 LIMIT 5;
25 SELECT * FROM task3;
26
```

Data Output Messages Notifications

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

	origin_airport character varying (50)	destination_airport character varying (50)	total_bookings bigint
1	Henri Coandă International Airport	Armidale Airport	18
2	Garbaharey Airport	Henri Coandă International Airport	15
3	Figari Sud-Corse Airport	Garbaharey Airport	14
4	Hana Airport	Zephyrhills Municipal Airport	14
5	Industrial Airpark	Armidale Airport	11

Total rows: 5 Query complete 00:00:00.088

Successfully run. Total query runtime: 88 msec. 5 rows affected.

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Object Explorer Servers

Processes X suppliers/postgres@PostgreSQL 17* X public.booking/su... X public.booking_flg... X public.booking/su... X suppliers/postgre...

suppliers/postgres@PostgreSQL 17

Query Query History Scratch Pad

```
23 ORDER BY total_bookings DESC
24 LIMIT 5;
25 SELECT * FROM task3;
26
27 --4 task
28 CREATE VIEW task4 AS
29 SELECT *
30 FROM flights
31 WHERE airline_id = 1;
32 SELECT * FROM task4;
33
34 -- 5 task
35 CREATE OR REPLACE VIEW task5 AS
36 SELECT *
37 FROM flights
38 WHERE airline_id = 1
39 AND scheduled_departure BETWEEN '2024-01-12' AND '2024-01-19';
```

Data Output Messages Notifications

Showing rows: 1 to 32 Page No: 1 of 1

	flight_id integer	flight_no character varying (50)	scheduled_departure date	scheduled_arrival date	departure_airport_id integer	arrival_airport_id integer	departing_gate character varying (50)	arriving_gate character varying (50)	airline_id integer
1	13	BR-PE	2024-01-16	2023-06-02	13	20	1891	5429	1
2	33	MZ-G	2023-09-21	2023-11-29	4	19	[null]	9380	1
3	36	AU-NT	2023-03-29	2023-05-06	12	14	[null]	13	1
4	73	FR-K	2023-12-26	2023-04-30	18	9	144	23	1
5	78	US-VT	2023-08-28	2023-08-02	20	11	335	515	1
6	143	PH-BUK	2023-08-20	2023-10-24	12	9	919	1330	1
7	170	SD-01	2023-12-02	2023-12-17	3	20	897	1147	1
8	175	PA-8	2023-03-19	2023-08-21	19	19	150	38	1
9	185	NA-KU	2023-06-26	2023-12-04	6	5	2000	996	1
10	221	US-CT	2023-11-07	2023-05-03	20				

Total rows: 32 Query complete 00:00:00.061

Successfully run. Total query runtime: 61 msec. 32 rows affected.

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Object Explorer Servers

Processes X suppliers/postgres@PostgreSQL 17* X public.booking/su... X public.booking_flg... X public.booking/su... X suppliers/postgre...

suppliers/postgres@PostgreSQL 17

Query History

```
28 CREATE VIEW task4 AS
29 SELECT *
30 FROM flights
31 WHERE airline_id = 1;
32 SELECT * FROM task4;
33
34 -- 5 task
35 CREATE OR REPLACE VIEW task5 AS
36 SELECT *
37 FROM flights
38 WHERE airline_id = 1
39 AND scheduled_departure BETWEEN '2024-01-12' AND '2024-01-19';
40 SELECT * FROM task5;
41
42 -- 6 task
43 CREATE VIEW task6 AS
44 SELECT *,
45 (actual_departure - scheduled_departure) AS delay_days
```

Execute script (F5)

Scratch Pad

Data Output Messages Notifications

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

	flight_id integer	flight_no character varying (50)	scheduled_departure date	scheduled_arrival date	departure_airport_id integer	arrival_airport_id integer	departing_gate character varying (50)	arriving_gate character varying (50)	airline_id integer
1	13	BR-PE	2024-01-16	2023-06-02	13	20	1891	5429	1

Total rows: 1 Query complete 00:00:00.075

Successfully run. Total query runtime: 75 msec. 1 rows affected.

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Object Explorer Servers

Processes X suppliers/postgres@PostgreSQL 17* X public.booking/su... X public.booking_flg... X public.booking/su... X suppliers/postgre...

suppliers/postgres@PostgreSQL 17

Query History

```
37 FROM flights
38 WHERE airline_id = 1
39 AND scheduled_departure BETWEEN '2024-01-12' AND '2024-01-19';
40 SELECT * FROM task5;
41
42 -- 6 task
43 CREATE VIEW task6 AS
44 SELECT *,
45 (actual_departure - scheduled_departure) AS delay_days
46 FROM flights
47 WHERE actual_departure IS NOT NULL
48 AND DATE(actual_departure) > DATE(scheduled_departure) + 1;
49 SELECT * FROM task6;
50
51 -- 7 task
52 CREATE VIEW task7 AS
```

Scratch Pad

Data Output Messages Notifications

Showing rows: 1 to 494 Page No: 1 of 1

	flight_id integer	flight_no character varying (50)	scheduled_departure date	scheduled_arrival date	departure_airport_id integer	arrival_airport_id integer	departing_gate character varying (50)	arriving_gate character varying (50)	airline_id integer
1	2	US-NM	2023-07-21	2023-09-17	13	16	4216	90	34
2	3	FI-OL	2023-03-29	2023-08-01	18	12	47	9	34
3	5	RO-DJ	2023-07-03	2023-11-28	6	2	626	171	14
4	6	CA-SK	2023-07-07	2023-09-11	18	1	1576	72	34
5	7	AU-TAS	2023-10-12	2024-02-24	15	18	867	15	10
6	9	IN-OR	2023-05-18	2023-09-19	6	9	659	621	13
7	11	TH-57	2023-03-28	2023-10-28	5	5	1280	3288	46
8	12	CA-NL	2023-07-22	2023-06-04	12	13	40	2592	27
9	14	US-IN	2023-07-24	2024-02-27	18	3	973	297	8
10	17	ES-AN	2023-09-10	2024-01-07	13				

Total rows: 494 Query complete 00:00:00.139

Successfully run. Total query runtime: 139 msec. 494 rows affected.

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Object Explorer Servers

Processes X suppliers/postgres@PostgreSQL 17 X public.booking/su... X public.booking_flg... X public.booking/su... X suppliers/postgre...

suppliers/postgres@PostgreSQL 17

Query History

```
47 WHERE actual_departure IS NOT NULL
48 AND DATE(actual_departure) > DATE(scheduled_departure) + 1;
49 SELECT * FROM task6;
50
51
52 -- 7 task
53 CREATE VIEW task7 AS
54 SELECT
55     p.first_name || ' ' || p.last_name AS full_name,
56     p.country_of_citizenship
57 FROM passengers p
58 JOIN booking b ON p.passenger_id = b.passenger_id
59 WHERE b.booking_platform = 'Leffler-Thompson';
60 SELECT * FROM task7;
61
62
63 --8 task
64 CREATE VIEW task8 AS
```

Data Output Messages Notifications

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

full_name	country_of_citizenship
Philbert Shambroke	Colombia

Total rows: 1 Query complete 00:00:00.082

Successfully run. Total query runtime: 82 msec. 1 rows affected.

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Object Explorer Servers

Processes X suppliers/postgres@PostgreSQL 17 X public.booking/su... X public.booking_flg... X public.booking/su... X suppliers/postgre...

suppliers/postgres@PostgreSQL 17

Query History

```
59 WHERE b.booking_platform = 'Leffler-Thompson';
60 SELECT * FROM task7;
61
62
63 --8 task
64 CREATE VIEW task8 AS
65 SELECT
66     a.country,
67     COUNT(*) AS total_flights
68 FROM flights f
69 JOIN airport a ON f.arrival_airport_id = a.airport_id
70 GROUP BY a.country
71 ORDER BY total_flights DESC
72 LIMIT 10;
73 SELECT * FROM task8;
74
75 -- 9 task
76 CREATE OR REPLACE VIEW task9 AS
```

Data Output Messages Notifications

Showing rows: 1 to 10 Page No: 1 of 1

country	total_flights
China	236
Philippines	150
Indonesia	148
United States	61
Tanzania	58
Russia	56
Slovenia	54
Afghanistan	50
Brazil	48
Poland	48

Total rows: 10 Query complete 00:00:00.058

Successfully run. Total query runtime: 58 msec. 10 rows affected.

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Object Explorer Servers

Processes X suppliers/postgres@PostgreSQL 17* X public.booking/su... X public.booking_flg... X public.booking/su... X suppliers/postgre...

suppliers/postgres@PostgreSQL 17

Query Query History

```
73 SELECT * FROM task8;
74
75 -- 9 task
76 CREATE OR REPLACE VIEW task9 AS
77 SELECT
78     flight_id,
79     flight_no,
80     scheduled_departure,
81     airline_id
82 FROM flights
83 WHERE scheduled_departure = '2024-01-01';
84 SELECT * FROM task9;
85
86
87 --10 task;
88 DROP VIEW IF EXISTS
89     task1,
```

Execute script (F5)

Scratch Pad

Data Output Messages Notifications

Showing rows: 1 to 2 Page No: 1 of 1

	flight_id integer	flight_no character varying (50)	scheduled_departure date	airline_id integer
1	410	US-OK	2024-01-01	8
2	730	US-AK	2024-01-01	10

Total rows: 2 Query complete 00:00:00.058

Successfully run. Total query runtime: 58 msec. 2 rows affected.

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Object Explorer Servers

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suppliers/postgres@PostgreSQL 17

Query Query History

```
84 SELECT * FROM task9;
85
86
87 --10 task;
88 DROP VIEW IF EXISTS
89     task1,
90     task2,
91     task3,
92     task4,
93     task5,
94     task6,
95     task7,
96     task8,
97     task9
98 CASCADE;
99
100 DROP INDEX task4;
```

Scratch Pad

Data Output Messages Notifications

DROP VIEW

Query returned successfully in 81 msec.

Total rows: Query complete 00:00:00.081

Query returned successfully in 81 msec.

CRLF Ln 88, Col 1

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