

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer Processes suppliers/postgres@PostgreSQL 17* public.booking/su... public.booking_flig... public.booking/su... suppliers/postgre...

Process: suppliers/postgres@PostgreSQL 17

Query History

```

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	flight_no	scheduled_departure	scheduled_arrival	departure_airport_id	arrival_airport_id	departing_gate	arriving_gate	airline_id
1	430	BR-RS	2023-09-08	2023-11-10	8	11	2723	33
2	603	AU-QLD	2023-09-08	2023-08-16	11	10	1509	2310
3	880	US-OH	2023-09-08	2023-04-25	5	17	483	3

Total rows: 3 Query complete 00:00:00.059

Successfully run. Total query runtime: 59 msec. 3 rows affected. CRLF Ln 4, Col 1

19:20 ENG ⚡ 17.11.2025

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer Processes suppliers/postgres@PostgreSQL 17* public.booking/su... public.booking_flig... public.booking/su... suppliers/postgre...

Process: suppliers/postgres@PostgreSQL 17

Query History

```

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

Total rows: 25 Query complete 00:00:00.066

Successfully run. Total query runtime: 66 msec. 25 rows affected. CRLF Ln 11, Col 1

19:21 ENG ⚡ 17.11.2025

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer Servers

Processes suppliers/postgres@PostgreSQL 17*

```

18 SELECT * FROM task2;
19
20 --3 task
21 CREATE VIEW task3 AS
22
23   SELECT
24     a_from.airport_name AS origin_airport,
25     a_to.airport_name AS destination_airport,
26     COUNT(*) AS total_bookings
27   FROM booking_flight bf
28   JOIN flights f ON bf.flight_id = f.flight_id
29   JOIN airport a_from ON f.departure_airport_id = a_from.airport_id
30   JOIN airport a_to ON f.arrival_airport_id = a_to.airport_id
31   GROUP BY origin_airport, destination_airport
32   ORDER BY total_bookings DESC
33   LIMIT 5;
34
35 SELECT * FROM task3;

```

Data Output Messages Notifications

origin_airport	destination_airport	total_bookings
Henri Coandă International Airport	Armidale Airport	18
Garbaharey Airport	Henri Coandă International Airport	15
Figari Sud-Corse Airport	Garbaharey Airport	14
Hana Airport	Zephyrhills Municipal Airport	14
Industrial Airpark	Armidale Airport	11

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

Total rows: 5 Query complete 00:00:00.088

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

CRLF Ln 26, Col 1

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer Servers

Processes suppliers/postgres@PostgreSQL 17*

```

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

```

Data Output Messages Notifications

flight_id	flight_no	scheduled_departure	scheduled_arrival	departure_airport_id	arrival_airport_id	departing_gate	arriving_gate	airline_id
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				

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

Total rows: 32 Query complete 00:00:00.061

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

CRLF Ln 33, Col 1

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer Servers

Processes suppliers/postgres@PostgreSQL 17*

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 *,
        (actual_departure - scheduled_departure) AS delay_days
    
```

Data Output

flight_id	flight_no	scheduled_departure	scheduled_arrival	departure_airport_id	arrival_airport_id	departing_gate	arriving_gate	airline_id
1	13 BR-PE	2024-01-16	2023-06-02	13	20	1891	5429	1

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

Total rows: 1 Query complete 00:00:00.075

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

CRLF Ln 41, Col 1

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer Servers

Processes suppliers/postgres@PostgreSQL 17*

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 *,
        (actual_departure - scheduled_departure) AS delay_days
    
```

FROM flights

WHERE actual_departure IS NOT NULL

AND DATE(actual_departure) > DATE(scheduled_departure) + 1;

SELECT * FROM task6;

51

52 -- 7 task

53 CREATE VIEW task7 AS

Data Output

flight_id	flight_no	scheduled_departure	scheduled_arrival	departure_airport_id	arrival_airport_id	departing_gate	arriving_gate	airline_id
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	2023-03-22	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				

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

Total rows: 494 Query complete 00:00:00.139

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

CRLF Ln 50, Col 1

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer Servers

Processes suppliers/postgres@PostgreSQL 17* public.booking/su... public.booking_fli... public.booking/su... suppliers/postgres*

Query History

```

47 WHERE actual_departure IS NOT NULL
48 AND DATE(actual_departure) > DATE(scheduled_departure) + 1;
49 SELECT * FROM task7;
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

full_name	country_of_citizenship
Philbert Shambrook	Colombia

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

Total rows: 1 Query complete 00:00:00.082

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

CRLF Ln 61, Col 1

19:26 ENG 17.11.2025

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer Servers

Processes suppliers/postgres@PostgreSQL 17* public.booking/su... public.booking_fli... public.booking/su... suppliers/postgres*

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

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

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

Total rows: 10 Query complete 00:00:00.058

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

CRLF Ln 74, Col 1

19:26 ENG 17.11.2025

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer Servers

Processes suppliers/postgres@PostgreSQL 17*

suppliers/postgres@PostgreSQL 17

Query History

Execute script F5

```
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,
```

Data Output Messages Notifications

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

flight_id	flight_no	scheduled_departure	airline_id
1	410	US-OK	2024-01-01
2	730	US-AK	2024-01-01

Total rows: 2 Query complete 00:00:00.058

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

CRLF Ln 85, Col 1

19:27 ENG 17.11.2025

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer Servers

Processes suppliers/postgres@PostgreSQL 17*

suppliers/postgres@PostgreSQL 17

Query History

Execute script F5

```
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;
```

Data Output Messages Notifications

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

19:27 ENG 17.11.2025