

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer

- Extensions
- Foreign Data Wrappers
- Languages
- Publications
- Schemas (1)
 - public
 - Aggregates
 - Collations
 - Domains
 - FTS Configurations
 - FTS Dictionaries
 - FTS Parsers
 - FTS Templates
 - Foreign Tables
 - Functions
 - Materialized Views
 - Operators
 - Procedures
 - Sequences
 - Tables (10)
 - airline
 - airport
 - baggage
 - baggage_check
 - boarding_pass
 - booking
 - booking_flight
 - flights
 - passengers
 - Columns (4)
 - age
 - date_of_bith_chi
 - passengers_pke

Processes

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

Query

```
1  --Task 1
2  BEGIN ;
3
4  SELECT * FROM booking WHERE booking_id = 2;
5
6  DELETE FROM booking WHERE booking_id = 2;
7
8
9  SELECT * FROM booking WHERE booking_id = 2 ;
10
11 COMMIT;
12
13 BEGIN ;
14
15 SELECT * FROM booking WHERE booking_id = 'abc';
16
```

Query History

Scratch Pad

Data Output Messages Notifications

COMMIT

Query returned successfully in 24 msec.

✓ Query returned successfully in 24 msec. ✕

Total rows: Query complete 00:00:00.024 CRLF Ln 11, Col 7

20:37 24.11.2025

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer

- Extensions
- Foreign Data Wrappers
- Languages
- Publications
- Schemas (1)
 - public
 - Aggregates
 - Collations
 - Domains
 - FTS Configurations
 - FTS Dictionaries
 - FTS Parsers
 - FTS Templates
 - Foreign Tables
 - Functions
 - Materialized Views
 - Operators
 - Procedures
 - Sequences
 - Tables (10)
 - airline
 - airport
 - baggage
 - baggage_check
 - boarding_pass
 - booking
 - booking_flight
 - flights
 - passengers
 - Columns (4)
 - age
 - date_of_bith_chi
 - passengers_pke

Processes

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

Query

```
11 COMMIT;
12
13 BEGIN ;
14
15 SELECT * FROM booking WHERE booking_id = 'abc';
16
17 DELETE FROM booking WHERE booking_id = 'abc';
18
19
20 SELECT * FROM booking;
21
22 ROLLBACK;
23
24 COMMIT;
25
26
```

Query History

Scratch Pad

Data Output Messages Notifications

ERROR: текущая транзакция прервана, команды до конца блока транзакции игнорируются

ОШИБКА: текущая транзакция прервана, команды до конца блока транзакции игнорируются

SQL state: 25P02

Total rows: Query complete 00:00:00.023 CRLF Ln 19, Col 1

20:38 24.11.2025

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer

- Extensions
- Foreign Data Wrappers
- Languages
- Publications
- Schemas (1)
 - public
 - Aggregates
 - Collations
 - Domains
 - FTS Configurations
 - FTS Dictionaries
 - FTS Parsers
 - FTS Templates
 - Foreign Tables
 - Functions
 - Materialized Views
 - Operators
 - Procedures
 - Sequences
 - Tables (10)
 - airline
 - airport
 - baggage
 - baggage_check
 - boarding_pass
 - booking
 - booking_flight
 - flights
 - passengers
 - Columns
 - Constraints (4)
 - age
 - date_of_bith_chi
 - passengers_pke

Processes

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

Query

```
11 COMMIT;
12
13 BEGIN ;
14
15 SELECT * FROM booking WHERE booking_id = 'abc';
16
17 DELETE FROM booking WHERE booking_id = 'abc';
18
19 SELECT * FROM booking;
20
21 ROLLBACK;
22
23 COMMIT;
```

Query History

Scratch Pad

Data Output Messages Notifications

ROLLBACK

Query returned successfully in 25 msec.

Total rows: Query complete 00:00:00.025

CRLF Ln 22, Col 9

20:38 24.11.2025

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer

- Extensions
- Foreign Data Wrappers
- Languages
- Publications
- Schemas (1)
 - public
 - Aggregates
 - Collations
 - Domains
 - FTS Configurations
 - FTS Dictionaries
 - FTS Parsers
 - FTS Templates
 - Foreign Tables
 - Functions
 - Materialized Views
 - Operators
 - Procedures
 - Sequences
 - Tables (10)
 - airline
 - airport
 - baggage
 - baggage_check
 - boarding_pass
 - booking
 - booking_flight
 - flights
 - passengers
 - Columns
 - Constraints (4)
 - age
 - date_of_bith_chi
 - passengers_pke

Processes

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

Query

```
25
26
27
28 -- task2
29
30 BEGIN;
31
32 SELECT * FROM flights WHERE flight_id = 1;
33
34 UPDATE flights SET scheduled_departure = '2020-10-01' WHERE flight_id = 1;
35
36 SELECT * FROM flights WHERE flight_id = 1;
37
38 COMMIT;
```

Query History

Scratch Pad

Data Output Messages Notifications

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

| flight_id (PK) integer | flight_no character varying (50) | scheduled_departure date | scheduled_arrival date | departure_airport_id integer | arrivalAirport_id integer | departing_gate character varying (50) | arriving_gate character varying (50) | airline_id integer |
|------------------------|----------------------------------|--------------------------|------------------------|------------------------------|---------------------------|---------------------------------------|--------------------------------------|--------------------|
| 1 | 1 US-CT | 2020-10-01 | 2023-09-08 | 12 | 15 | 9 | 649 | 35 |

Total rows: 1 Query complete 00:00:00.060

CRLF Ln 37, Col 1

20:38 24.11.2025

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer

- Extensions
- Foreign Data Wrappers
- Languages
- Publications
- Schemas (1)
 - public
 - Aggregates
 - Collations
 - Domains
 - FTS Configurations
 - FTS Dictionaries
 - FTS Parsers
 - FTS Templates
 - Foreign Tables
 - Functions
 - Materialized Views
 - Operators
 - Procedures
 - Sequences
 - Tables (10)
 - airline
 - airport
 - baggage
 - baggage_check
 - boarding_pass
 - booking
 - booking_flight
 - flights
 - passengers
 - Columns (4)
 - age
 - date_of_bith_chi
 - passengers_pke

Processes

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

Query

```
36 SELECT * FROM flights WHERE flight_id = 'abc';
37
38 COMMIT;
39
40
41 BEGIN;
42
43 SELECT * FROM flights WHERE flight_id = 'abc';
44
45 UPDATE flights SET scheduled_departure = '2020-10-01' WHERE flight_id = 'abc';
46
47 SELECT * FROM flights WHERE flight_id = 'abc';
48
49 ROLLBACK;
50
51 COMMIT;
52
```

Query History

Scratch Pad

Data Output Messages Notifications

ROLLBACK

Query returned successfully in 24 msec.

Total rows: Query complete 00:00:00.024

CRLF Ln 49, Col 9

20:39 24.11.2025

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer

- Extensions
- Foreign Data Wrappers
- Languages
- Publications
- Schemas (1)
 - public
 - Aggregates
 - Collations
 - Domains
 - FTS Configurations
 - FTS Dictionaries
 - FTS Parsers
 - FTS Templates
 - Foreign Tables
 - Functions
 - Materialized Views
 - Operators
 - Procedures
 - Sequences
 - Tables (10)
 - airline
 - airport
 - baggage
 - baggage_check
 - boarding_pass
 - booking
 - booking_flight
 - flights
 - passengers
 - Columns (4)
 - age
 - date_of_bith_chi
 - passengers_pke

Processes

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

Query

```
66 JOIN flights f ON f.flight_id = bf.flight_id
67 WHERE b.booking_id = bf.booking_id
68 AND f.flight_id = 15;
69
70
71 SELECT * FROM booking b
72 JOIN booking_flight bf ON b.booking_id = bf.booking_id
73 JOIN flights f ON f.flight_id = bf.flight_id
74 WHERE f.flight_id = 15;
75
76 COMMIT;
77
78 BEGIN;
79
80
81 SELECT * FROM booking b
```

Query History

Scratch Pad

Data Output Messages Notifications

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

| booking_id | passenger_id | booking_platform | created_at | update_at | status | price | ticket_discount | booking_flight_id | booking_id |
|------------|--------------|----------------------------------|------------|------------|------------------------|---------------|-----------------|-------------------|------------|
| integer | integer | character varying (50) | date | date | character varying (50) | numeric (7,2) | numeric (7,2) | integer | integer |
| 1 | 125 | 163 Mertz, Lockman and Schroeder | 2023-06-26 | 2023-06-26 | Male | 2656.48 | [null] | 431 | 125 |

Total rows: 1 Query complete 00:00:00.030

Successfully run. Total query runtime: 30 msec. 1 rows affected.

CRLF Ln 71, Col 1

20:39 24.11.2025

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer

- Extensions
- Foreign Data Wrappers
- Languages
- Publications
- Schemas (1)
 - public
 - Aggregates
 - Collations
 - Domains
 - FTS Configurations
 - FTS Dictionaries
 - FTS Parsers
 - FTS Templates
 - Foreign Tables
 - Functions
 - Materialized Views
 - Operators
 - Procedures
 - Sequences
 - Tables (10)
 - airline
 - airport
 - baggage
 - baggage_check
 - boarding_pass
 - booking
 - booking_flight
 - flights
 - passengers
 - Columns
 - Constraints (4)
 - age
 - date_of_birth
 - passengers_pkey

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

```
91 AND f.flight_id = 'abc';
92
93
94 SELECT * FROM booking b
95 JOIN booking_flight bf ON b.booking_id = bf.booking_id
96 JOIN flights f ON f.flight_id = bf.flight_id
97 WHERE f.flight_id = 'abc';
98
99 ROLLBACK;
100
101 COMMIT;
102
103 --task 4
104
105 BEGIN;
106
107 SELECT * FROM passengers WHERE passenger_id = 1;
```

Data Output Messages Notifications

ROLLBACK

Query returned successfully in 25 msec.

Total rows: Query complete 00:00:00.025

✓ Query returned successfully in 25 msec. X

CRLF Ln 99, Col 9

20:40 24.11.2025

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer

- Extensions
- Foreign Data Wrappers
- Languages
- Publications
- Schemas (1)
 - public
 - Aggregates
 - Collations
 - Domains
 - FTS Configurations
 - FTS Dictionaries
 - FTS Parsers
 - FTS Templates
 - Foreign Tables
 - Functions
 - Materialized Views
 - Operators
 - Procedures
 - Sequences
 - Tables (10)
 - airline
 - airport
 - baggage
 - baggage_check
 - boarding_pass
 - booking
 - booking_flight
 - flights
 - passengers
 - Columns
 - Constraints (4)
 - age
 - date_of_birth
 - passengers_pkey

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

```
105 BEGIN;
106
107 SELECT * FROM passengers WHERE passenger_id = 1;
108
109 UPDATE passengers SET last_name = 'Alan'
110 WHERE passenger_id = 1;
111
112 SELECT * FROM passengers WHERE passenger_id = 1;
113
114 COMMIT;
115
116 --task 5
117
118 BEGIN;
119
120
121 SELECT * FROM passengers;
```

Data Output Messages Notifications

COMMIT

Query returned successfully in 46 msec.

Total rows: Query complete 00:00:00.046

✓ Query returned successfully in 46 msec. X

✓ Successfully run. Total query runtime: 100 msec. 1 rows affected. X

CRLF Ln 114, Col 7

20:41 24.11.2025

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer

- Extensions
- Foreign Data Wrappers
- Languages
- Publications
- Schemas (1)
 - public
 - Aggregates
 - Collations
 - Domains
 - FTS Configurations
 - FTS Dictionaries
 - FTS Parsers
 - FTS Templates
 - Foreign Tables
 - Functions
 - Materialized Views
 - Operators
 - Procedures
 - Sequences
 - Tables (10)
 - airline
 - airport
 - baggage
 - baggage_check
 - boarding_pass
 - booking
 - booking_flight
 - flights
 - passengers
 - Columns
 - Constraints (4)
 - age
 - date_of_bith_chi
 - passengers_pke

Processes

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

Query

```
SELECT * FROM passengers;

INSERT INTO passengers(passenger_id, first_name, last_name, date_of_birth, gender, country_of_
VALUES(202, 'Sasha', 'Go', '2025-01-01', 'Male', 'Russia', 'RU', '2-2', '2000-02-13', '2022-12-

INSERT INTO booking(booking_id, passenger_id, booking_platform, created_at, update_at, status,
VALUES(501,202, 'Kazak', '2024-01-01', '2023-12-26', 'Female', 1000);

SELECT * FROM booking WHERE booking_id = 501;

COMMIT;

--task 6
```

Query History

Scratch Pad

Data Output Messages Notifications

ROLLBACK

Query returned successfully in 27 msec.

Total rows: Query complete 00:00:00.027

CRLF Ln 132, Col 7

20:42 24.11.2025

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer

- Extensions
- Foreign Data Wrappers
- Languages
- Publications
- Schemas (1)
 - public
 - Aggregates
 - Collations
 - Domains
 - FTS Configurations
 - FTS Dictionaries
 - FTS Parsers
 - FTS Templates
 - Foreign Tables
 - Functions
 - Materialized Views
 - Operators
 - Procedures
 - Sequences
 - Tables (10)
 - airline
 - airport
 - baggage
 - baggage_check
 - boarding_pass
 - booking
 - booking_flight
 - flights
 - passengers
 - Columns
 - Constraints (4)
 - age
 - date_of_bith_chi
 - passengers_pke

Processes

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

Query

```
JOIN flights f ON f.flight_id = bf.flight_id
WHERE f.flight_id = 15;

UPDATE booking b SET price = price - 10
FROM flights f
JOIN booking_flight bf ON bf.booking_id = b.booking_id
WHERE f.flight_id = bf.flight_id
AND f.flight_id = 15;

SELECT b.booking_id, b.price, f.flight_no
FROM booking b
JOIN booking_flight bf ON b.booking_id = bf.booking_id
JOIN flights f ON f.flight_id = bf.flight_id
WHERE f.flight_id = 15;

COMMIT;
```

Query History

Scratch Pad

Data Output Messages Notifications

COMMIT

Query returned successfully in 50 msec.

Total rows: Query complete 00:00:00.050

CRLF Ln 157, Col 7

20:44 24.11.2025

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer

- Extensions
- Foreign Data Wrappers
- Languages
- Publications
- Schemas (1)
 - public
 - Aggregates
 - Collations
 - Domains
 - FTS Configurations
 - FTS Dictionaries
 - FTS Parsers
 - FTS Templates
 - Foreign Tables
 - Functions
 - Materialized Views
 - Operators
 - Procedures
 - Sequences
 - Tables (10)
 - airline
 - airport
 - baggage
 - baggage_check
 - boarding_pass
 - booking
 - booking_flight
 - flights
 - passengers
 - Columns
 - Constraints (4)
 - age
 - date_of_bith_chi
 - passengers_pke

Processes

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

suppliers/postgres@PostgreSQL 17

Query

```
164 JOIN passengers p ON p.passenger_id = b.passenger_id
165 WHERE p.passenger_id = 1;
166
167
168 UPDATE baggage ba SET ba.weight_in_kg = 12
169 FROM booking b
170 JOIN passengers p ON p.passenger_id = b.passenger_id
171 WHERE ba.booking_id = b.booking_id
172 AND p.passenger_id = 1;
173
174
175 SELECT ba.* FROM baggage ba
176 JOIN booking b ON ba.booking_id = b.booking_id
177 JOIN passengers p ON p.passenger_id = b.passenger_id
178 WHERE p.passenger_id = 1;
179
```

Query History

Scratch Pad

Data Output Messages Notifications

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

| baggage_id [PK] integer | weight_in_kg numeric (4,2) | created_date date | update_date date | booking_id integer |
|-------------------------|----------------------------|-------------------|------------------|--------------------|
| 1 | 94 | 2023-04-25 | 2023-08-03 | 274 |
| 2 | 137 | 2023-08-29 | 2023-03-23 | 274 |
| 3 | 148 | 2023-04-06 | 2023-06-20 | 274 |

Total rows: 3 Query complete 00:00:00.048

Successfully run. Tot
CRLF Ln 175, Col 1

20:45
24.11.2025

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer

- Extensions
- Foreign Data Wrappers
- Languages
- Publications
- Schemas (1)
 - public
 - Aggregates
 - Collations
 - Domains
 - FTS Configurations
 - FTS Dictionaries
 - FTS Parsers
 - FTS Templates
 - Foreign Tables
 - Functions
 - Materialized Views
 - Operators
 - Procedures
 - Sequences
 - Tables (10)
 - airline
 - airport
 - baggage
 - baggage_check
 - boarding_pass
 - booking
 - booking_flight
 - flights
 - passengers
 - Columns
 - Constraints (4)
 - age
 - date_of_bith_chi
 - passengers_pke

Processes

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

suppliers/postgres@PostgreSQL 17

Query

```
185
186 BEGIN;
187
188 SELECT b.* FROM booking b
189 JOIN passengers p
190 ON b.passenger_id = p.passenger_id
191 WHERE b.passenger_id = 15;
192
193
194 UPDATE booking b SET price = b.price * 0.9
195 FROM passengers p
196 WHERE p.passenger_id = b.passenger_id
197 AND b.passenger_id = 15;
198
199
200 SELECT b.* FROM booking b
```

Query History

Scratch Pad

Data Output Messages Notifications

UPDATE 1

Query returned successfully in 24 msec.

Total rows: Query complete 00:00:00.024

Query returned successfully in 24 msec. X

CRLF Ln 194, Col 1

20:47
24.11.2025

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer

- Extensions
- Foreign Data Wrappers
- Languages
- Publications
- Schemas (1)
 - public
 - Aggregates
 - Collations
 - Domains
 - FTS Configurations
 - FTS Dictionaries
 - FTS Parsers
 - FTS Templates
 - Foreign Tables
 - Functions
 - Materialized Views
 - Operators
 - Procedures
 - Sequences
 - Tables (10)
 - airline
 - airport
 - baggage
 - baggage_check
 - boarding_pass
 - booking
 - booking_flight
 - flights
 - passengers
 - Columns
 - Constraints (4)
 - age
 - date_of_bith_chi
 - passengers_pke

Processes

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

Query

```
286
287
288 BEGIN;
289
290 SELECT b.* FROM booking b
291 JOIN passengers p
292 ON b.passenger_id = p.passenger_id
293 WHERE b.passenger_id = 'abc';
294
295 UPDATE booking b SET b.price = b.price * 0.9
296 FROM passengers p
297 WHERE p.passenger_id = b.passenger_id
298 AND b.passenger_id = 'abc';
299
300 SELECT h.* FROM booking h
```

Query History

Scratch Pad

Data Output Messages Notifications

ERROR: текущая транзакция прервана, команды до конца блока транзакции игнорируются
ОШИБКА: текущая транзакция прервана, команды до конца блока транзакции игнорируются
SQL state: 25P02

Total rows: Query complete 00:00:00.027

CRLF Ln 216, Col 1

20:47 24.11.2025

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer

- Extensions
- Foreign Data Wrappers
- Languages
- Publications
- Schemas (1)
 - public
 - Aggregates
 - Collations
 - Domains
 - FTS Configurations
 - FTS Dictionaries
 - FTS Parsers
 - FTS Templates
 - Foreign Tables
 - Functions
 - Materialized Views
 - Operators
 - Procedures
 - Sequences
 - Tables (10)
 - airline
 - airport
 - baggage
 - baggage_check
 - boarding_pass
 - booking
 - booking_flight
 - flights
 - passengers
 - Columns
 - Constraints (4)
 - age
 - date_of_bith_chi
 - passengers_pke

Processes

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

Query

```
217 FROM passengers p
218 WHERE p.passenger_id = b.passenger_id
219 AND b.passenger_id = 'abc';
220
221 SELECT b.* FROM booking b
222 JOIN passengers p
223 ON b.passenger_id = p.passenger_id
224 WHERE b.passenger_id = 'abc';
225
226 ROLLBACK;
227
228 COMMIT;
229
230 --task 9
231
232
```

Query History

Scratch Pad

Data Output Messages Notifications

ROLLBACK

Query returned successfully in 27 msec.

Total rows: Query complete 00:00:00.027

CRLF Ln 227, Col 9

20:47 24.11.2025

✓ Query returned successfully in 27 msec. ✕

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer

- Extensions
 - Foreign Data Wrappers
 - Languages
 - Publications
 - Schemas (1)
- public
 - Aggregates
 - Collations
 - Domains
 - FTS Configurations
 - FTS Dictionaries
 - FTS Parsers
 - FTS Templates
 - Foreign Tables
 - Functions
 - Materialized Views
 - Operators
 - Procedures
 - Sequences
 - Tables (10)
 - airline
 - airport
 - baggage
 - baggage_check
 - boarding_pass
 - booking
 - booking_flight
 - flights
 - passengers
 - Columns (4)
 - age
 - date_of_bilth_chi
 - passengers_pke

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

```
230
231 --task 9
232
233 BEGIN;
234
235 SELECT * FROM booking_flight WHERE flight_id = 339;
236
237 UPDATE booking_flight SET flight_id = 62 WHERE flight_id = 339;
238
239 SELECT * FROM booking_flight WHERE flight_id = 62;
240
241 COMMIT;
```

Scratch Pad x

Data Output Messages Notifications

COMMIT

Query returned successfully in 26 msec.

Query returned successfully in 25 msec.

Total rows: Query complete 00:00:00.026

CRLF Ln 241, Col 7

20:48 24.11.2025