

TASK 1

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer public.baggage/Airport/postgres@PostgreSQL 17*

Query History

```
1 SELECT a.airline_name, f.flight_id
2 FROM airline a
3 INNER JOIN flights f
4 ON f.airline_id = a.airline_id
5 WHERE airline_name = 'KazAir_130'
```

Scratch Pad

Data Output Messages Notifications

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

	airline_name character varying (50)	flight_id integer
1	KazAir_130	93
2	KazAir_130	165

Total rows: 2 Query complete 00:00:00.062 CRLF Ln 1, Col 35

Пойск 17:12 31.10.2025

TASK 2

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer public.baggage/Airport/postgres@PostgreSQL 17*

Tables (10)

- airline
- airport
- Columns (7)
- Constraints
- Indexes
- RLS Policies
- Rules
- Triggers
- baggage
- baggage_check
- boarding_pass
- booking
- booking_flight
- flights
- Columns (12)
- flight_id
- sch_departure_time
- sch_arrival_time
- departing_airport_id
- arriving_airport_id
- departing_gate
- arriving_gate

public.baggage/Airport/postgres@PostgreSQL 17

No limit

Query History Scratch Pad

```
1 SELECT a.airport_name AS Departing_airport_name, f.flight_id
2 FROM airport a
3 INNER JOIN
4 flights f
5 ON f.departing_airport_id = a.airport_id
```

Data Output Messages Notifications

Showing rows: 1 to 200 Page No: 1 of 1

	departing_airport_name character varying (50)	flight_id integer
1	CentralGate Airfield 3	6
2	GoldenSteppe Air 2	11
3	NomadSky Airport 3 #2	12
4	KazAir Regional Airport 1	13
5	SkyNomad Port 5	14
6	CentralGate Airfield 3	15
7	Tengri Air Base 1	16

Total rows: 200 Query complete 00:00:00.073

CRLF Ln 5, Col 41

Пойск 31.10.2025 17:16

TASK 3

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer

- updated_at
- > Constraints
- > Indexes
- > RLS Policies
- > Rules
- > Triggers
- > airport
- > baggage
- > baggage_check
- > boarding_pass
- > booking
- > booking_flight
- > 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

public.baggage/Airport/postgres@PostgreSQL 17* public.flights/Airport/postgres@PostgreSQL 17

Query History

Query

```
1 SELECT a.airline_name
2 FROM airline a
3 LEFT JOIN flights f
4     ON f.airline_id = a.airline_id
5     AND f.sch_departure_time BETWEEN '2025-11-01' AND '2025-11-30'
6 WHERE f.flight_id IS NULL;
7
```

Scratch Pad

Data Output

	airline_name
190	SkyOne_194
191	BlueWings_195
192	EuroFly_196
193	AsiaAir_197
194	SteppeWings_198
195	NomadAir_199
196	KazAir_200

Showing rows: 1 to 196 Page No: 1 of 1

Total rows: 196 Query complete 00:00:00.090

CRLF Ln 7, Col 1

Поиск

18:02 31.10.2025

TASK 4

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer public.baggage/Airport/postgres@PostgreSQL 17* public.flights/Airport...

Tables (10)

- airline
- airport
- baggage
- baggage_check
- boarding_pass
- booking
- Columns (9)
- booking_id
- flight_id
- passenger_id
- booking_platform
- created_at
- updated_at
- status
- ticket_price
- ticket_discount

Constraints

Indexes

RLS Policies

Rules

Triggers

booking_flight

flights

Columns (12)

flight_id

sch_departure_time

public.baggage/Airport/postgres@PostgreSQL 17

No limit

Query History

```
1 SELECT p.last_name,
2     p.first_name,
3     f.flight_id
4 FROM passengers p
5 INNER JOIN booking b ON p.passenger_id = b.passenger_id
6 INNER JOIN flights f ON b.flight_id = f.flight_id
7 WHERE f.flight_id = 101
```

Scratch Pad

Data Output

Showing rows: 1 to 1

	last_name	first_name	flight_id
1	Davis	Michael	101

Messages Notifications

Total rows: 1 Query complete 00:00:00.077

CRLF Ln 7, Col 24

Поиск

18:14
31.10.2025

TASK 5

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer

public.baggage/Airport/postgres@PostgreSQL 17* public.flights/Airport...

Query History

Scratch Pad

```
1 SELECT
2     f.flight_id,
3     AVG(b.ticket_price),
4     SUM(b.ticket_price),
5     MAX(b.ticket_price),
6     MIN(b.ticket_price)
7 FROM booking b
8 INNER JOIN flights f ON b.flight_id = f.flight_id
9 GROUP BY f.flight_id
```

Data Output Messages Notifications

Showing rows: 1 to 128 Page No: 1 of 1

flight_id [PK] integer	avg numeric	sum numeric	max numeric	min numeric
1	87	4229.6900000000000000	4229.69	4229.69
2	184	603.2100000000000000	603.21	603.21
3	71	2065.1900000000000000	4130.38	2982.52
4	68	2085.8150000000000000	4171.63	3942.29
5	51	2782.0300000000000000	2782.03	2782.03
6	70	2685.2550000000000000	5370.51	4201.28
7	80	2052.0000000000000000	2052.00	2052.00

Total rows: 128 Query complete 00:00:00.106 CRLF Ln 9, Col 21

Пойск 18:18 31.10.2025

TASK 6

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer public.baggage/Airport/postgres@PostgreSQL 17* public.flights/Air... X

Query Query History Scratch Pad X

1 `SELECT a.country, f.flight_id, air.airline_name`
2 `FROM`
3 `airport a`
4 `INNER JOIN flights f ON f.arriving_airport_id = a.airport_id`
5 `INNER JOIN airline air ON air.airline_id = f.airline_id`
6 `WHERE a.country = 'France'`

Data Output Messages Notifications

Showing rows: 1 to 15 Page No: 1 of 1

	country character varying (50)	flight_id integer	airline_name character varying (50)
1	France	11	AsiaAir_177
2	France	21	SkyOne_74
3	France	33	SteppeWings_178
4	France	60	FlyHigh_2
5	France	84	EuroFly_106
6	France	101	EuroFly_126
7	France	107	FlyFly_153

Total rows: 15 Query complete 00:00:00.080 CRLF Ln 6, Col 20

Пойск 31.10.2025

TASK 7

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer public.baggage/Airport/postgres@PostgreSQL 17* public.flights/Airport...

Query History Scratch Pad

```
SELECT
    a.country AS arrival_destination,
    p.last_name,
    p.first_name,
    EXTRACT(YEAR FROM AGE(CURRENT_DATE, p.date_of_birth)) AS age
FROM passengers p
INNER JOIN booking b ON p.passenger_id = b.passenger_id
INNER JOIN flights f ON f.flight_id = b.flight_id
INNER JOIN airport a ON f.arriving_airport_id = a.airport_id
WHERE EXTRACT(YEAR FROM AGE(CURRENT_DATE, p.date_of_birth)) < 18
```

Data Output Messages Notifications

	arrival_destination character varying (50)	last_name character varying (50)	first_name character varying (50)	age numeric
1	Portugal	Williams	Michael	16
2	Portugal	Ivanov	Michael	17
3	USA	Petrov	Ivan	16
4	Turkey	Taylor	Sara	17
5	Brazil	Wilson	Olga	17
6	Portugal	Davis	Ivan	17
7	Portugal	Brown	Olga	15

Total rows: 17 Query complete 00:00:00.086

CRLF Ln 2, Col 23



Поиск



18:55

31.10.2025

TASK 8

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer ticket_discount

- > Constraints
- > Indexes
- > RLS Policies
- > Rules
- > Triggers
- > booking_flight
- < 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

public.baggage/Airport/postgres@PostgreSQL 17* public.flights/Airport/postgres@PostgreSQL 17

No limit

Query History

Scratch Pad

```
1 SELECT
2     p.last_name || ' ' || p.last_name AS Full_Name,
3     p.passport_number,
4     f.act_arrival_time
5 FROM passengers p
6 INNER JOIN booking b ON p.passenger_id = b.passenger_id
7 INNER JOIN flights f ON f.flight_id = b.flight_id
```

Data Output Messages Notifications

Showing rows: 1 to 200 Page No: 1 of 1

	full_name text	passport_number character varying (20)	act_arrival_time timestamp without time zone
1	Ivanov Ivanov	P00193713	2021-09-23 04:03:49
2	Wilson Wilson	P00109254	2023-09-09 01:27:17
3	Wilson Wilson	P00125906	2022-01-19 07:13:06
4	Smith Smith	P00003595	2021-12-20 17:05:09
5	Wilson Wilson	P00181288	2024-03-26 05:54:41
6	Johnson Johns...	P00016488	2024-10-05 12:29:29
7	Ivanov Ivanov	P00095313	2021-06-17 06:51:08

Total rows: 200 Query complete 00:00:00.076 CRLF Ln 2, Col 18

Пойск 18:59 31.10.2025

TASK 9

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer public.baggage/Airport/postgres@PostgreSQL 17* public.flights/Airport...

Query History

```
1 SELECT
2     a.country,
3         COUNT(f.flight_id) AS number_of_flights
4 FROM flights f
5 INNER JOIN airline air ON f.airline_id = air.airline_id
6 INNER JOIN airport a ON f.departing_airport_id = a.airport_id
7 WHERE air.airline_country = a.country
8 GROUP BY a.country;
```

Scratch Pad

Data Output Messages Notifications

Showing rows: 1 to 8 Page No: 1 of 1

	country	count
1	Turkey	1
2	Spain	1
3	Brazil	4
4	Kazakhstan	1
5	Poland	3
6	Portugal	4
7	France	1

Total rows: 8 Query complete 00:00:00.076 CRLF Ln 3, Col 41

Помощь

Поиск

19:09 31.10.2025