

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer

- > PostgreSQL 17
- > Schemas
- > FTS Parsers
- > FTS Templates
- > Foreign Tables
- > Functions
- > Materialized Views
- > Operators
- > Procedures
- > Sequences
- > Tables (10)
 - > airline
 - > airport
 - > baggage
 - > baggage_check
 - > boarding_pass
 - > booking
 - > Columns (8)
 - booking_id
 - flight_id
 - passenger_id
 - booking_platform
 - created_at
 - updated_at
 - status
 - ticket_price
 - > Constraints
 - > Indexes
 - > RLS Policies
 - > Rules
 - > Triggers
 - > booking_flight

airline/airpo... × public.baggage/air... × airport_db/postgre... × public.flights/airp... × airport_db/postgre... × airport_db/postgres@PostgreSQL 17* ×

airport_db/postgres@PostgreSQL 17

Query Query History

```
1 -- task 1
2 ALTER TABLE passengers
3 ADD CHECK (EXTRACT(YEAR FROM AGE(CURRENT_DATE, date_of_birth)) >= 10)
4
5
```

Scratch Pad

Data Output Messages Notifications

Total rows: Query complete 00:00:00.819 CRLF Ln 5, Col 1

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File Object Tools Edit View Window Help

Object Explorer

- > pg 17 database
- > FTS Parsers
- > FTS Templates
- > Foreign Tables
- > Functions
- > Materialized Views
- > Operators
- > Procedures
- > 1.3 Sequences
- ✓ Tables (10)
 - > airline
 - > airport
 - > baggage
 - > baggage_check
 - > boarding_pass
 - ✓ booking
 - Columns (8)
 - booking_id
 - flight_id
 - passenger_id
 - booking_platform
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airline/airpo... × public.baggage/air... × airport_db/postgre... × public.flights/airp... × airport_db/postgre... × airport_db/postgres@PostgreSQL 17* ×

airport_db/postgres@PostgreSQL 17

No limit

Query Query History

```
1 -- task 1
2 ALTER TABLE passengers
3 ADD CHECK (EXTRACT(YEAR FROM AGE(CURRENT_DATE, date_of_birth)) >= 10)
4
5 -- task 2
6 ALTER TABLE booking ADD CHECK (ticket_price BETWEEN 0 AND 50000);
7
```

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Data Output Messages Notifications

ALTER TABLE

Query returned successfully in 106 msec.

Total rows: Query complete 00:00:00.106 CRLF Ln 6, Col 32

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File Object Tools Edit View Window Help

Object Explorer

- Aggregates
- Collations
- Domains
- FTS Configurations
- FTS Dictionaries
- FTS Parsers
- FTS Templates
- Foreign Tables
- Functions
- Materialized Views
- Operators
- Procedures
- Sequences
- Tables (10)
 - airline
 - airport
 - baggage
 - Columns (5)
 - baggage_id
 - weight_in_kg
 - created_at
 - updated_at
 - booking_id
 - Constraints
 - Indexes
 - RLS Policies
 - Rules
 - Triggers
 - baggage_check
 - boarding_pass
 - booking

airline/airpo... public.baggage/air... airport_db/postgre... public.flights/air... airport_db/postgre... airport_db/postgres@PostgreSQL 17*

airport_db/postgres@PostgreSQL 17

No limit

Query Query History

```
1 -- task 1
2 ALTER TABLE passengers
3 ADD CHECK (EXTRACT(YEAR FROM AGE(CURRENT_DATE, date_of_birth)) >= 10)
4
5 -- task 2
6 ALTER TABLE booking ADD CHECK (ticket_price BETWEEN 0 AND 50000);
7
8 -- task 3
9 ALTER TABLE baggage ADD CHECK (weight_in_kg BETWEEN 1 AND 23);
10
11
12
13
```

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Data Output Messages Notifications

ALTER TABLE

Query returned successfully in 667 msec.

Total rows: Query complete 00:00:00.667

✓ Query returned successfully in 667 msec. ✕

CRLF Ln 9, Col 63

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer

- Aggregates
- Collations
- Domains
- FTS Configurations
- FTS Dictionaries
- FTS Parsers
- FTS Templates
- Foreign Tables
- Functions
- Materialized Views
- Operators
- Procedures
- Sequences
- Tables (10)
 - airline
 - airport
 - baggage
 - Columns (5)
 - baggage_id
 - weight_in_kg
 - created_at
 - updated_at
 - booking_id
 - Constraints
 - Indexes
 - RLS Policies
 - Rules
 - Triggers
 - baggage_check
 - boarding_pass

Query

```
1 -- task 1
2 ALTER TABLE passengers
3 ADD CHECK (EXTRACT(YEAR FROM AGE(CURRENT_DATE, date_of_birth)) >= 10);
4
5 -- task 2
6 ALTER TABLE booking ADD CHECK (ticket_price BETWEEN 0 AND 50000);
7
8 -- task 3
9 ALTER TABLE baggage ADD CHECK (weight_in_kg BETWEEN 1 AND 23);
10
11 -- task 4
12 ALTER TABLE airport ADD CHECK (LENGTH(airport_name) >= 10);
13
14
```

Query History

Scratch Pad

Data Output Messages Notifications

ALTER TABLE

Query returned successfully in 83 msec.

✓ Query returned successfully in 83 msec. ✕

CRLF Ln 12, Col 15

Servers > PostgreSQL 17 > Databases > airport_db > Schemas > public > Tables > baggage

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer

- Aggregates
- Collations
- Domains
- FTS Configurations
- FTS Dictionaries
- FTS Parsers
- FTS Templates
- Foreign Tables
- Functions
- Materialized Views
- Operators
- Procedures
- Sequences
- Tables (10)
 - airline
 - airport
 - baggage
 - Columns (5)
 - baggage_id
 - weight_in_kg
 - created_at
 - updated_at
 - booking_id
 - Constraints
 - Indexes
 - RLS Policies
 - Rules
 - Triggers
 - baggage_check
 - boarding_pass

Query Query History

airport_db/postgres@PostgreSQL 17

No limit

Scratch Pad

```
10
11 -- task 4
12 ALTER TABLE airport ADD CHECK (LENGTH(airport_name) >= 10);
13
14 -- task 5
15 ALTER TABLE passengers
16 ADD CONSTRAINT unique_passport UNIQUE (passport_number);
17
18 ALTER TABLE flights
19 ADD CONSTRAINT unique_flight_number UNIQUE (flight_number);
20
21 ALTER TABLE airline
22 ADD CONSTRAINT unique_airline_name UNIQUE (airline_name);
23
24 ALTER TABLE airport
```

Data Output Messages Notifications

ALTER TABLE

Query returned successfully in 83 msec.

Servers > PostgreSQL 17 > Databases > airport_db > Schemas > public > Tables > baggage

CRLF Ln 26, Col 1

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer

- 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 (10)
 - passenger_id
 - first_name
 - last_name
 - date_of_birth
 - gender
 - country_of_citize

Query History

```
24 ALTER TABLE airport
25 ADD CONSTRAINT unique_airport_code UNIQUE (airport_code);
26
27 ALTER TABLE baggage
28 ADD CONSTRAINT unique_baggage_tag UNIQUE (baggage_tag_number);
29
30 -- task 6
31 ALTER TABLE passengers
32 ADD CONSTRAINT gender_age_check
33 CHECK (
34 (gender = 'Male' AND date_of_birth <= CURRENT_DATE - INTERVAL '18 years')
35 OR (gender = 'Female' AND date_of_birth <= CURRENT_DATE - INTERVAL '19 years')
36 OR (gender NOT IN ('Male', 'Female'))
37 );
38
```

Scratch Pad

Data Output Messages Notifications

ALTER TABLE

Query returned successfully in 97 msec.

Total rows: Query complete 00:00:00.097

✓ Query returned successfully in 97 msec. ✕

CRLF Ln 34, Col 29

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer

- Materialized Views
- Operators
- Procedures
- Sequences
- Tables (10)
 - airline
 - airport
 - baggage
 - baggage_check
 - boarding_pass
 - booking
 - booking_flight
 - flights
 - passengers
 - Columns (10)
 - passenger_id
 - first_name
 - last_name
 - date_of_birth
 - gender
 - country_of_citizenship
 - country_of_residence
 - passport_number
 - created_at
 - updated_at
 - Constraints
 - Indexes
 - RLS Policies
 - Rules
 - Triggers

Query History

```
17 CHECK (  
18     (gender = 'Male' AND date_of_birth <= CURRENT_DATE - INTERVAL '18 years')  
19 OR (gender = 'Female' AND date_of_birth <= CURRENT_DATE - INTERVAL '19 years')  
20 OR (gender NOT IN ('Male', 'Female'))  
21 );  
22  
23 -- task 7  
24 ALTER TABLE passengers  
25 ADD CHECK (  
26     (country_of_citizenship = 'Kazakhstan' AND date_of_birth <= CURRENT_DATE - INTERVAL '18 years')  
27 OR (country_of_citizenship = 'France' AND date_of_birth <= CURRENT_DATE - INTERVAL '17 years')  
28 OR (country_of_citizenship NOT IN ('Kazakhstan', 'France')  
29     AND date_of_birth <= CURRENT_DATE - INTERVAL '19 years')  
30 );
```

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Data Output Messages Notifications

ALTER TABLE

Query returned successfully in 73 msec.

Total rows: Query complete 00:00:00.073

✓ Query returned successfully in 73 msec. ✕

CRLF Ln 28, Col 31

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer

- 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
 - security_check
- Trigger Functions
- Types
- Views
- Subscriptions
- postgres
- Login/Group Roles
- Tablespaces

airline_db/postgres@PostgreSQL 17

Query Query History

```
28 OR (country_of_citizenship NOT IN ('Kazakhstan', 'France')
29 AND date_of_birth <= CURRENT_DATE - INTERVAL '19 years')
30 );
31
32
33 -- task 8
34 ALTER TABLE booking ADD CHECK (
35 (created_time>='2024-01-01' AND ticket_discount=0.05) OR
36 (created_time<'2024-01-01' AND ticket_discount=0.10)
37 );
38
39
40
41
```

Scratch Pad

Data Output Messages Notifications

ALTER TABLE

Query returned successfully in 73 msec.

Total rows: Query complete 00:00:00.073 CRLF Ln 37, Col 3