

pgAdmin 4

File Object Tools Edit View Window Help

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

suppliers/postgres@PostgreSQL 17

Query Query History

```
1 --1 task
2 ALTER TABLE passengers ADD CONSTRAINT task1 CHECK(date_of_birth <= '2015-01-01') NOT VALID;
3 --2task
4 ALTER TABLE booking ADD CONSTRAINT price_check CHECK(price BETWEEN 0 AND 50000);
5 --3 task
6 ALTER TABLE baggage ADD CONSTRAINT weight_check CHECK(weight_in_kg BETWEEN 1 AND 23) NOT VALID;
7 --4 task
8 ALTER TABLE airport ADD CONSTRAINT airport_name_check CHECK(LENGTH(airport_name) >= 10);
9 --5 task
10 ALTER TABLE airport ADD CONSTRAINT state_check UNIQUE (state);
11
12 ALTER TABLE airline ADD CONSTRAINT airline_check UNIQUE (airline_name);
13
14 ALTER TABLE airline ADD CONSTRAINT airline_code_check UNIQUE (airline_code);
15
16 --6 task
```

Execute script F5

Scratch Pad x

Data Output Messages Notifications

ALTER TABLE

Query returned successfully in 40 msec.

Total rows: Query complete 00:00:00.040

✓ Query returned successfully in 40 msec. ✕

CRLF Ln 3, Col 1

15:33 12.10.2025

pgAdmin 4

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11 ALTER TABLE airport ADD CONSTRAINT state_check UNIQUE (state);
12
13 ALTER TABLE airline ADD CONSTRAINT airline_check UNIQUE (airline_name);
14
15 ALTER TABLE airline ADD CONSTRAINT airline_code_check UNIQUE (airline_code);
16
```

Scratch Pad x

Data Output Messages Notifications

ALTER TABLE

Query returned successfully in 41 msec.

Total rows: Query complete 00:00:00.041

✓ Query returned successfully in 41 msec. ✕

CRLF Ln 5, Col 1

15:33 12.10.2025

pgAdmin 4

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

suppliers/postgres@PostgreSQL 17

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4 ALTER TABLE booking ADD CONSTRAINT price_check CHECK(price BETWEEN 0 AND 50000);
5
6 --3 task
7 ALTER TABLE baggage ADD CONSTRAINT weight_check CHECK(weight_in_kg BETWEEN 1 AND 23) NOT VALID;
8
9 --4 task
10 ALTER TABLE airport ADD CONSTRAINT airport_name_check CHECK(LENGTH(airport_name) >= 10);
11 --5 task
12 ALTER TABLE airport ADD CONSTRAINT state_check UNIQUE (state);
13
14 ALTER TABLE airline ADD CONSTRAINT airline_check UNIQUE (airline_name);
15
16 ALTER TABLE airline ADD CONSTRAINT airline_code_check UNIQUE (airline_code);
```

Data Output Messages Notifications

ALTER TABLE

Query returned successfully in 45 msec.

Total rows: Query complete 00:00:00.045

CR LF Ln 8, Col 1

15:34 12.10.2025

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

suppliers/postgres@PostgreSQL 17

Query Query History

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1 --1 task
2 ALTER TABLE passengers ADD CONSTRAINT task1 CHECK(date_of_birth <= '2015-01-01') NOT VALID;
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4 ALTER TABLE booking ADD CONSTRAINT price_check CHECK(price BETWEEN 0 AND 50000);
5
6 --3 task
7 ALTER TABLE baggage ADD CONSTRAINT weight_check CHECK(weight_in_kg BETWEEN 1 AND 23) NOT VALID;
8
9 --4 task
10 ALTER TABLE airport ADD CONSTRAINT airport_name_check CHECK(LENGTH(airport_name) >= 10);
11 --5 task
12 ALTER TABLE airport ADD CONSTRAINT state_check UNIQUE (state);
13
14 ALTER TABLE airline ADD CONSTRAINT airline_check UNIQUE (airline_name);
15
16 ALTER TABLE airline ADD CONSTRAINT airline_code_check UNIQUE (airline_code);
```

Data Output Messages Notifications

ALTER TABLE

Query returned successfully in 49 msec.

Total rows: Query complete 00:00:00.049

CR LF Ln 11, Col 1

15:34 12.10.2025

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

suppliers/postgres@PostgreSQL 17

Query Query History

```
10 ALTER TABLE airport ADD CONSTRAINT airport_name_check CHECK(LENGTH(airport_name) >= 10);
11
12 --5 task
13 ALTER TABLE airport ADD CONSTRAINT state_check UNIQUE (state);
14
15 ALTER TABLE airline ADD CONSTRAINT airline_check UNIQUE (airline_name);
16
17 ALTER TABLE airline ADD CONSTRAINT airline_code_check UNIQUE (airline_code);
18
19 --6 task
20 ALTER TABLE passengers ADD CONSTRAINT age CHECK( (gender = 'Male' AND date_of_birth <= '2007-0
21
22 --7 task
23 ALTER TABLE passengers ADD CONSTRAINT taks7 CHECK((country_of_citizenship = 'Kazakhstan' AND d
24
25 --8 task
```

Data Output Messages Notifications

ALTER TABLE

Query returned successfully in 51 msec.

Total rows: Query complete 00:00:00.051

CRLF Ln 13, Col 1

15:35 12.10.2025

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

suppliers/postgres@PostgreSQL 17

Query Query History

```
10 ALTER TABLE airport ADD CONSTRAINT airport_name_check CHECK(LENGTH(airport_name) >= 10);
11
12 --5 task
13 ALTER TABLE airport ADD CONSTRAINT state_check UNIQUE (state);
14
15 ALTER TABLE airline ADD CONSTRAINT airline_check UNIQUE (airline_name);
16
17 ALTER TABLE airline ADD CONSTRAINT airline_code_check UNIQUE (airline_code);
18
19 --6 task
20 ALTER TABLE passengers ADD CONSTRAINT age CHECK( (gender = 'Male' AND date_of_birth <= '2007-0
21
22 --7 task
23 ALTER TABLE passengers ADD CONSTRAINT taks7 CHECK((country_of_citizenship = 'Kazakhstan' AND d
24
25 --8 task
```

Data Output Messages Notifications

ALTER TABLE

Query returned successfully in 58 msec.

Total rows: Query complete 00:00:00.058

CRLF Ln 21, Col 1

15:36 12.10.2025

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

suppliers/postgres@PostgreSQL 17

Query Query History

```
10 ALTER TABLE airport ADD CONSTRAINT airport_name_check CHECK(LENGTH(airport_name) >= 10);
11
12 --5 task
13 ALTER TABLE airport ADD CONSTRAINT state_check UNIQUE (state);
14
15 ALTER TABLE airline ADD CONSTRAINT airline_check UNIQUE (airline_name);
16
17 ALTER TABLE airline ADD CONSTRAINT airline_code_check UNIQUE (airline_code);
18
19 --6 task
20 ALTER TABLE passengers ADD CONSTRAINT age CHECK( (gender = 'Male' AND date_of_birth <= '2007-0
21
22 --7 task
23 ALTER TABLE passengers ADD CONSTRAINT task7 CHECK((country_of_citizenship = 'Kazakhstan' AND d
24
25 --8 task
```

Data Output Messages Notifications

ALTER TABLE

Query returned successfully in 43 msec.

Total rows: Query complete 00:00:00.043

✓ Query returned successfully in 43 msec. ✕

CRLF Ln 24, Col 1

15:36 12.10.2025

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

suppliers/postgres@PostgreSQL 17

Query Query History

```
19 --6 task
20 ALTER TABLE passengers ADD CONSTRAINT age CHECK( (gender = 'Male' AND date_of_birth <= '2007-0
21
22 --7 task
23 ALTER TABLE passengers ADD CONSTRAINT task7 CHECK((country_of_citizenship = 'Kazakhstan' AND d
24
25 --8 task
26 ALTER TABLE booking ADD COLUMN ticket_discount NUMERIC(7,2);
27
28 ALTER TABLE booking ADD CONSTRAINT ticket_discount_check
29 CHECK(ticket_discount = CASE WHEN created_at >= '2024-01-01' THEN ROUND(price*0.05, 2)
30 ELSE ROUND(price*0.10, 2) END
31 );
32
33
34
```

Data Output Messages Notifications

ALTER TABLE

Query returned successfully in 42 msec.

Total rows: Query complete 00:00:00.042

✓ Query returned successfully in 42 msec. ✕

CRLF Ln 28, Col 1

15:37 12.10.2025

--1 task

```
ALTER TABLE passengers ADD CONSTRAINT task1 CHECK(date_of_birth <= '2015-01-01') NOT VALID;
```

--2task

```
ALTER TABLE booking ADD CONSTRAINT price_check CHECK(price BETWEEN 0 AND 50000);
```

--3 task

```
ALTER TABLE baggage ADD CONSTRAINT weight_check CHECK(weight_in_kg BETWEEN 1 AND 23) NOT VALID;
```

--4 task

```
ALTER TABLE airport ADD CONSTRAINT airport_name_check CHECK(LENGTH(airport_name) >= 10);
```

--5 task

```
ALTER TABLE airport ADD CONSTRAINT state_check UNIQUE (state);
```

```
ALTER TABLE airline ADD CONSTRAINT airline_check UNIQUE (airline_name);
```

```
ALTER TABLE airline ADD CONSTRAINT airline_code_check UNIQUE (airline_code);
```

--6 task

```
ALTER TABLE passengers ADD CONSTRAINT age CHECK( (gender = 'Male' AND date_of_birth <= '2007-01-01') OR (gender='Female' AND date_of_birth <='2006-01-01')) NOT VALID;
```

--7 task

```
ALTER TABLE passengers ADD CONSTRAINT taks7 CHECK((country_of_citizenship = 'Kazakhstan' AND date_of_birth <= '2007-01-01') OR (country_of_citizenship = 'France' AND date_of_birth <= '2008-01-01') OR (country_of_citizenship NOT IN ('Kazakhstan','France')AND date_of_birth <= '2006-01-01')) NOT VALID;
```

--8 task

```
ALTER TABLE booking ADD COLUMN ticket_discount NUMERIC(7,2);
```

```
ALTER TABLE booking ADD CONSTRAINT ticket_discount_check
```

```
CHECK(ticket_discount = CASE WHEN created_at >= '2024-01-01' THEN ROUND(price*0.05, 2)
```

```
ELSE ROUND(price*0.10, 2) END
```

```
);
```