

pgAdmin 4

File Object Tools Edit View Window Help

Welcome db_course25/postgres@PostgreSQL 17* X db_course25/post... X

db_course25/postgres@PostgreSQL 17

No limit

Query Query History

```
1 ALTER TABLE passengers
2 ADD CONSTRAINT chk_passengers_min_age_10
3 CHECK (date_of_birth <= (CURRENT_DATE - INTERVAL '10 years'))
4 NOT VALID;
5
6 ALTER TABLE passengers
7 VALIDATE CONSTRAINT chk_passengers_min_age_10;
8
9 ALTER TABLE booking
10 ADD CONSTRAINT chk_booking_price_0_50000
11 CHECK (ticket_price BETWEEN 0 AND 50000)
12 NOT VALID;
13
14 ALTER TABLE booking VALIDATE CONSTRAINT chk_booking_price_0_50000;
15
16 ALTER TABLE booking
```

Data Output Messages Notifications

UPDATE 285

Query returned successfully in 46 msec.

Total rows: Query complete 00:00:00.046 CRLF Ln 1, Col 1

pgAdmin 4

File Object Tools Edit View Window Help

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db_course25/postgres@PostgreSQL 17

No limit

Query Query History

1 ALTER TABLE passengers

2 ADD CONSTRAINT chk_passengers_min_age_10

3 CHECK (date_of_birth <= (CURRENT_DATE - INTERVAL '10 years'))

4 NOT VALID;

5

6 ALTER TABLE passengers

7 VALIDATE CONSTRAINT chk_passengers_min_age_10;

8

9 ALTER TABLE booking

10 ADD CONSTRAINT chk_booking_price_0_50000

11 CHECK (ticket_price BETWEEN 0 AND 50000)

12 NOT VALID;

13

14 ALTER TABLE booking VALIDATE CONSTRAINT chk_booking_price_0_50000;

15

16 ALTER TABLE booking

Data Output Messages Notifications

ALTER TABLE

Query returned successfully in 58 msec.

Total rows: Query complete 00:00:00.058

✓ Query returned successfully in 58 msec. ✕

CRLF Ln 6, Col 1

pgAdmin 4

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No limit

Query Query History

```
4 NOT VALID;
5
6 ALTER TABLE passengers
7 VALIDATE CONSTRAINT chk_passengers_min_age_10;
8
9 ALTER TABLE booking
10 ADD CONSTRAINT chk_booking_price_0_50000
11 CHECK (ticket_price BETWEEN 0 AND 50000)
12 NOT VALID;
13
14 ALTER TABLE booking VALIDATE CONSTRAINT chk_booking_price_0_50000;
15
16 ALTER TABLE baggage
17 ADD CONSTRAINT chk_baggage_weight_1_23
18 CHECK (weight_in_kg BETWEEN 1 AND 23)
19 NOT VALID;
```

Data Output Messages Notifications

ALTER TABLE

Query returned successfully in 39 msec.

Total rows: Query complete 00:00:00.039 CRLF Ln 9, Col 1

pgAdmin 4

File Object Tools Edit View Window Help

Welcome db_course25/postgres@PostgreSQL 17* X db_course25/post... X

db_course25/postgres@PostgreSQL 17

No limit

Query Query History

```
11 CHECK (ticket_price BETWEEN 0 AND 50000)
12 NOT VALID;
13
14 ALTER TABLE booking VALIDATE CONSTRAINT chk_booking_price_0_50000;
15
16 ALTER TABLE baggage
17 ADD CONSTRAINT chk_baggage_weight_1_23
18 CHECK (weight_in_kg BETWEEN 1 AND 23)
19 NOT VALID;
20
21 ALTER TABLE baggage VALIDATE CONSTRAINT chk_baggage_weight_1_23;
22
23 ALTER TABLE airport
24 ADD CONSTRAINT chk_airport_name_len10
25 CHECK (airport_name IS NOT NULL AND LENGTH(airport_name) >= 10)
26 NOT VALID;
```

Data Output Messages Notifications

ALTER TABLE

Query returned successfully in 36 msec.

Total rows: Query complete 00:00:00.036 CRLF Ln 16, Col 1

pgAdmin 4

File Object Tools Edit View Window Help

Welcome db_course25/postgres@PostgreSQL 17* X db_course25/post... X

db_course25/postgres@PostgreSQL 17

No limit

Query Query History

20

21 ALTER TABLE baggage VALIDATE CONSTRAINT chk_baggage_weight_1_23;

22

23 ALTER TABLE airport

24 ADD CONSTRAINT chk_airport_name_len10

25 CHECK (airport_name IS NOT NULL AND LENGTH(airport_name) >= 10)

26 NOT VALID;

27

28 ALTER TABLE passengers

29 DROP CONSTRAINT IF EXISTS chk_passengers_age_by_gender;

30

31 ALTER TABLE passengers

32 ADD CONSTRAINT chk_passengers_age_by_gender

33 CHECK (

34 (gender ILIKE 'male' AND date_of_birth <= CURRENT_DATE - INTERVAL '18 years')

35 OR (gender ILIKE 'female' AND date_of_birth <= CURRENT_DATE - INTERVAL '18 years'))

36

Data Output Messages Notifications

ЗАМЕЧАНИЕ: ограничение "chk_passengers_age_by_gender" в таблице "passengers" не существует, пропускается

ALTER TABLE

Query returned successfully in 35 msec.

Total rows: Query complete 00:00:00.035

CRLF Ln 23, Col 1

pgAdmin 4

File Object Tools Edit View Window Help

Welcome db_course25/postgres@PostgreSQL 17* X db_course25/post... X

db_course25/postgres@PostgreSQL 17

No limit

Query Query History

```
29 DROP CONSTRAINT IF EXISTS chk_passengers_age_by_gender;
30
31 ALTER TABLE passengers
32 ADD CONSTRAINT chk_passengers_age_by_gender
33 CHECK (
34     (gender ILIKE 'male' AND date_of_birth <= CURRENT_DATE - INTERVAL '18 years')
35     OR (gender ILIKE 'female' AND date_of_birth <= CURRENT_DATE - INTERVAL '19 years')
36     OR gender IS NULL
37     OR (gender NOT ILIKE 'male' AND gender NOT ILIKE 'female')
38 )
39 NOT VALID;
40
41 ALTER TABLE passengers VALIDATE CONSTRAINT chk_passengers_age_by_gender;
42
43 ALTER TABLE passengers
44 ADD CONSTRAINT chk_passengers_age_by_country
```

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 39, Col 11

pgAdmin 4

File Object Tools Edit View Window Help

Welcome db_course25/postgres@PostgreSQL 17* X db_course25/post... X

db_course25/postgres@PostgreSQL 17

No limit

Query Query History

```
29 DROP CONSTRAINT IF EXISTS chk_passengers_age_by_gender;
30
31 ALTER TABLE passengers
32 ADD CONSTRAINT chk_passengers_age_by_gender
33 CHECK (
34     (gender ILIKE 'male' AND date_of_birth <= CURRENT_DATE - INTERVAL '18 years')
35     OR (gender ILIKE 'female' AND date_of_birth <= CURRENT_DATE - INTERVAL '19 years')
36     OR gender IS NULL
37     OR (gender NOT ILIKE 'male' AND gender NOT ILIKE 'female')
38 )
39 NOT VALID;
40
41 ALTER TABLE passengers VALIDATE CONSTRAINT chk_passengers_age_by_gender;
42
43 ALTER TABLE passengers
44 ADD CONSTRAINT chk_passengers_age_by_country
```

Data Output Messages Notifications

ALTER TABLE

Query returned successfully in 32 msec.

Total rows: Query complete 00:00:00.032

✓ Query returned successfully in 32 msec. ✕

CRLF Ln 41, Col 73

pgAdmin 4

File Object Tools Edit View Window Help

Welcome db_course25/postgres@PostgreSQL 17* X db_course25/post... X

db_course25/postgres@PostgreSQL 17

No limit

Query Query History

```
41 ALTER TABLE passengers VALIDATE CONSTRAINT chk_passengers_age_by_gender;
42
43 ALTER TABLE passengers
44 ADD CONSTRAINT chk_passengers_age_by_country
45 CHECK (
46 (country_of_citizenship ILIKE 'Kazakhstan' AND date_of_birth <= (CURRENT_DATE - INTERVAL '18 years')) OR
47 (country_of_citizenship ILIKE 'France' AND date_of_birth <= (CURRENT_DATE - INTERVAL '17 years')) OR
48 (country_of_citizenship IS NOT NULL
49 AND country_of_citizenship NOT ILIKE 'Kazakhstan'
50 AND country_of_citizenship NOT ILIKE 'France'
51 AND date_of_birth <= (CURRENT_DATE - INTERVAL '19 years')) OR
52 (country_of_citizenship IS NULL)
53 )
54 NOT VALID;
55
56 ALTER TABLE passengers VALIDATE CONSTRAINT chk_passengers_age_by_country;
```

Data Output Messages Notifications

ALTER TABLE

Query returned successfully in 39 msec.

Total rows: Query complete 00:00:00.039

✓ Query returned successfully in 39 msec. ✕

CRLF Ln 54, Col 11

pgAdmin 4

File Object Tools Edit View Window Help

Welcome db_course25/postgres@PostgreSQL 17* X db_course25/post... X

db_course25/postgres@PostgreSQL 17

No limit

Query Query History

```
47 (country_of_citizenship ILIKE 'France' AND date_of_birth <= (CURRENT_DATE - INTERVAL '17 years')) OR
48 (country_of_citizenship IS NOT NULL
49 AND country_of_citizenship NOT ILIKE 'Kazakhstan'
50 AND country_of_citizenship NOT ILIKE 'France'
51 AND date_of_birth <= (CURRENT_DATE - INTERVAL '19 years')) OR
52 (country_of_citizenship IS NULL)
53 )
54 NOT VALID;
55
56 ALTER TABLE passengers VALIDATE CONSTRAINT chk_passengers_age_by_country;
57
58 ALTER TABLE booking
59 ADD COLUMN ticket_discount NUMERIC(12,2);
60
61 ALTER TABLE booking
62 ADD CONSTRAINT chk_booking_discount...
```

Data Output Messages Notifications

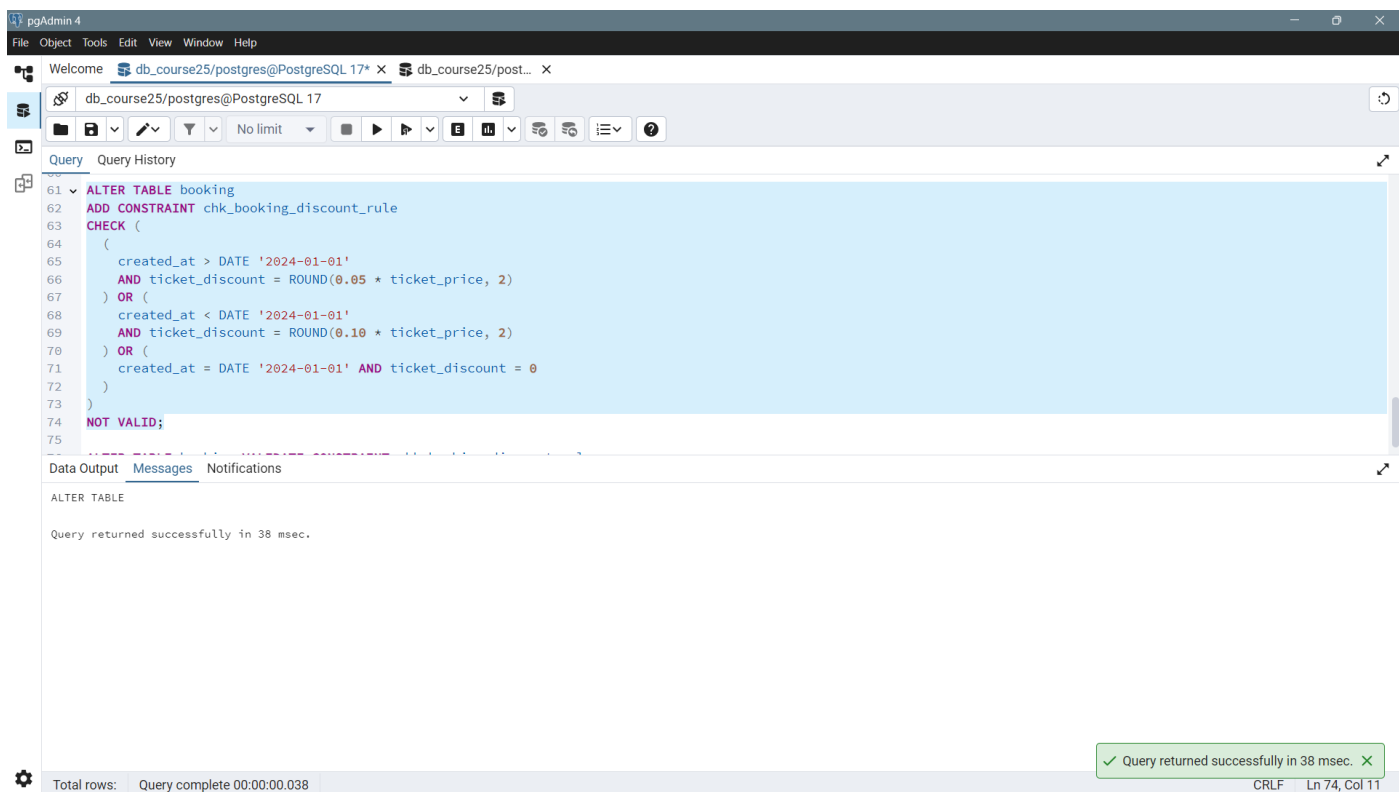
ALTER TABLE

Query returned successfully in 63 msec.

Total rows: Query complete 00:00:00.063

✓ Query returned successfully in 63 msec. ✕

CRLF Ln 56, Col 1



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FileObjectToolsEditViewWindowHelp

Welcomedb_course25/postgres@PostgreSQL 17* Xdb_course25/post...

db_course25/postgres@PostgreSQL 17

No limit

QueryQuery History

61ALTER TABLE booking

62ADD CONSTRAINT chk_booking_discount_rule

63CHECK (

64(

65created_at > DATE '2024-01-01'

66AND ticket_discount = ROUND(0.05 * ticket_price, 2)

67) OR (

68created_at < DATE '2024-01-01'

69AND ticket_discount = ROUND(0.10 * ticket_price, 2)

70) OR (

71created_at = DATE '2024-01-01' AND ticket_discount = 0

72)

73)

74NOT VALID;

75

76ALTER TABLE booking VALIDATE CONSTRAINT chk_booking_discount_rule;

Data OutputMessagesNotifications

ALTER TABLE

Query returned successfully in 34 msec.

Total rows:Query complete 00:00:00.034

CRLF Ln 76, Col 1