

pgAdmin 4

File Object Tools Edit View Window Help

Welcome × postgres/postgres... × postgres/postgres... × postgres/postgres@PostgreSQL 17* ×

postgres/postgres@PostgreSQL 17

Query Query History Scratch Pad

```
1 ALTER TABLE Passengers
2 ADD CONSTRAINT age_check
3 CHECK (
4     date_of_birth <= CURRENT_DATE - INTERVAL '10 years'
5 );
```

Data Output Messages Notifications

ALTER TABLE

Query returned successfully in 74 msec.

✓ Query returned successfully in 74 msec. ✕

Total rows: Query complete 00:00:00.074 CRLF Ln 5, Col 3

Add a CHECK constraint to passenger table to provide that passengers must be at least 10 years old.

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postgres/postgres@PostgreSQL 17

Query Query History Scratch Pad ×

```
1 ALTER TABLE Booking
2 ADD CONSTRAINT price_range_check
3 CHECK (
4     ticket_price BETWEEN 0 AND 50000
5 );
```

Data Output Messages Notifications

ALTER TABLE

Query returned successfully in 102 msec.

✓ Query returned successfully in 102 msec. ✕

Total rows: Query complete 00:00:00.102 CRLF Ln 4, Col 12

Add a CHECK constraint to accept values in booking price not more than 50000tg and less than 0tg.

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postgres/postgres@PostgreSQL 17

Query Query History Scratch Pad ×

```
1 ALTER TABLE Baggage
2 ADD CONSTRAINT weight_range_check
3 CHECK (
4     weight_in_kg >= 1 AND weight_in_kg <= 45
5 );
6
```

Data Output Messages Notifications

ALTER TABLE

Query returned successfully in 104 msec.

✓ Query returned successfully in 104 msec. ✕

Total rows: Query complete 00:00:00.104 CRLF Ln 4, Col 45

Add a CHECK constraint to accept the baggage weight between 1 and 23 kg.

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postgres/postgres@PostgreSQL 17

Query Query History Scratch Pad ×

```
1 ALTER TABLE Airport
2 ADD CONSTRAINT name_length_check
3 CHECK (
4     LENGTH(airport_name) >= 10
5 );
```

Data Output Messages Notifications

ALTER TABLE

Query returned successfully in 112 msec.

✓ Query returned successfully in 112 msec. ✕

Total rows: Query complete 00:00:00.112 CRLF Ln 5, Col 3

Add a CHECK constraint to ensure that all values in airport_name must have at least 10 characters.

pgAdmin 4

File Object Tools Edit View Window Help

Welcome × postgres/postgres... × postgres/postgres... × postgres/postgres@PostgreSQL 17* ×

postgres/postgres@PostgreSQL 17

Query Query History Scratch Pad ×

```
1 ALTER TABLE Airport
2 ADD CONSTRAINT uq_airport_name UNIQUE (airport_name);
3
4 ALTER TABLE Passengers
5 ADD CONSTRAINT uq_passport_number UNIQUE (passport_number);
6
7 ALTER TABLE Flights
8 ADD CONSTRAINT uq_flight_instance UNIQUE (flight_id, sch_departure_time);
```

Data Output Messages Notifications

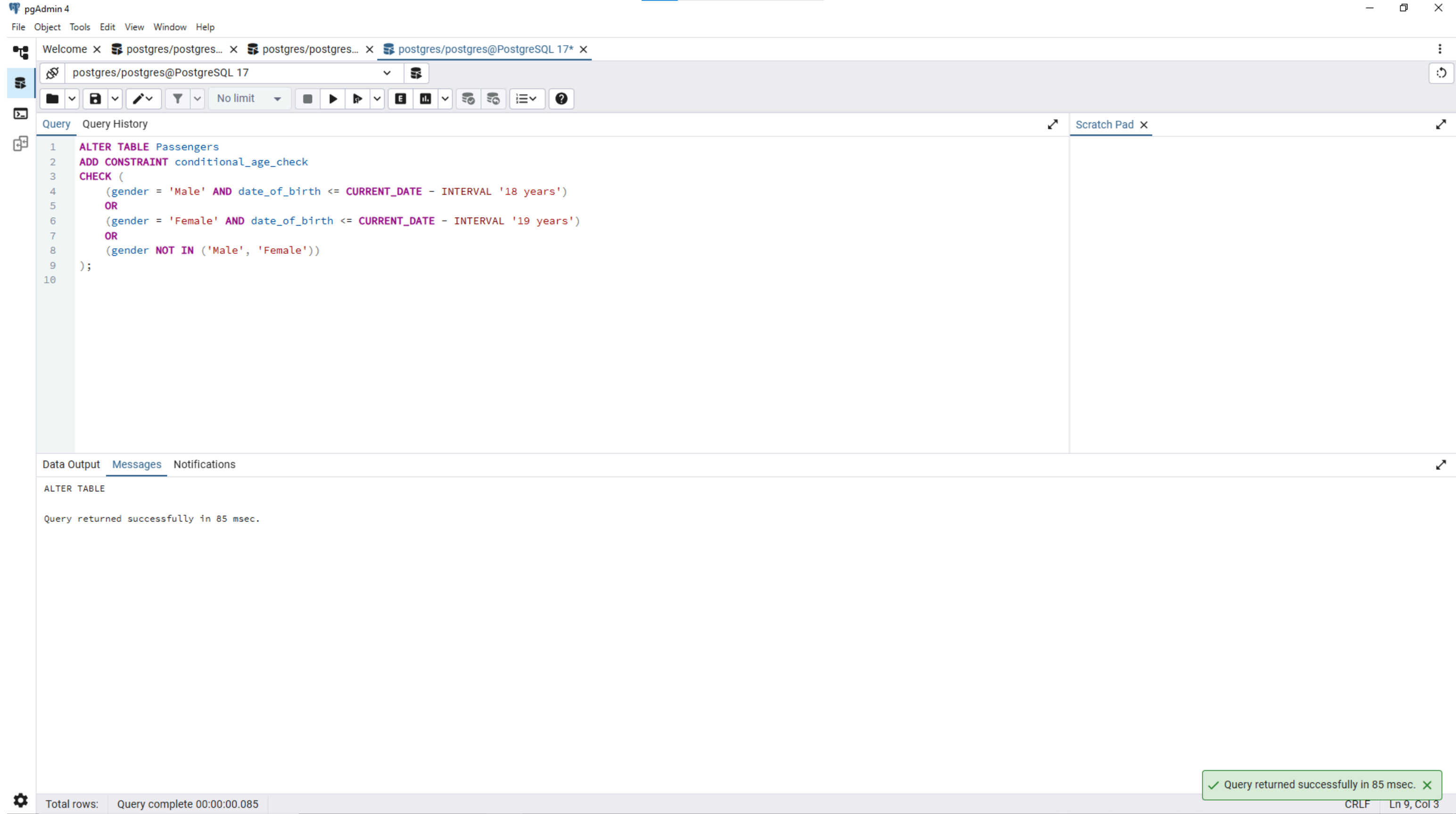
ALTER TABLE

Query returned successfully in 79 msec.

✓ Query returned successfully in 79 msec. ✕

Total rows: Query complete 00:00:00.079 CRLF Ln 8, Col 52

Add UNIQUE constraint to some columns in each table in database.



Add a CHECK constraint to ensure that male passengers must be at least 18 years old and female passengers must be 19 years old.

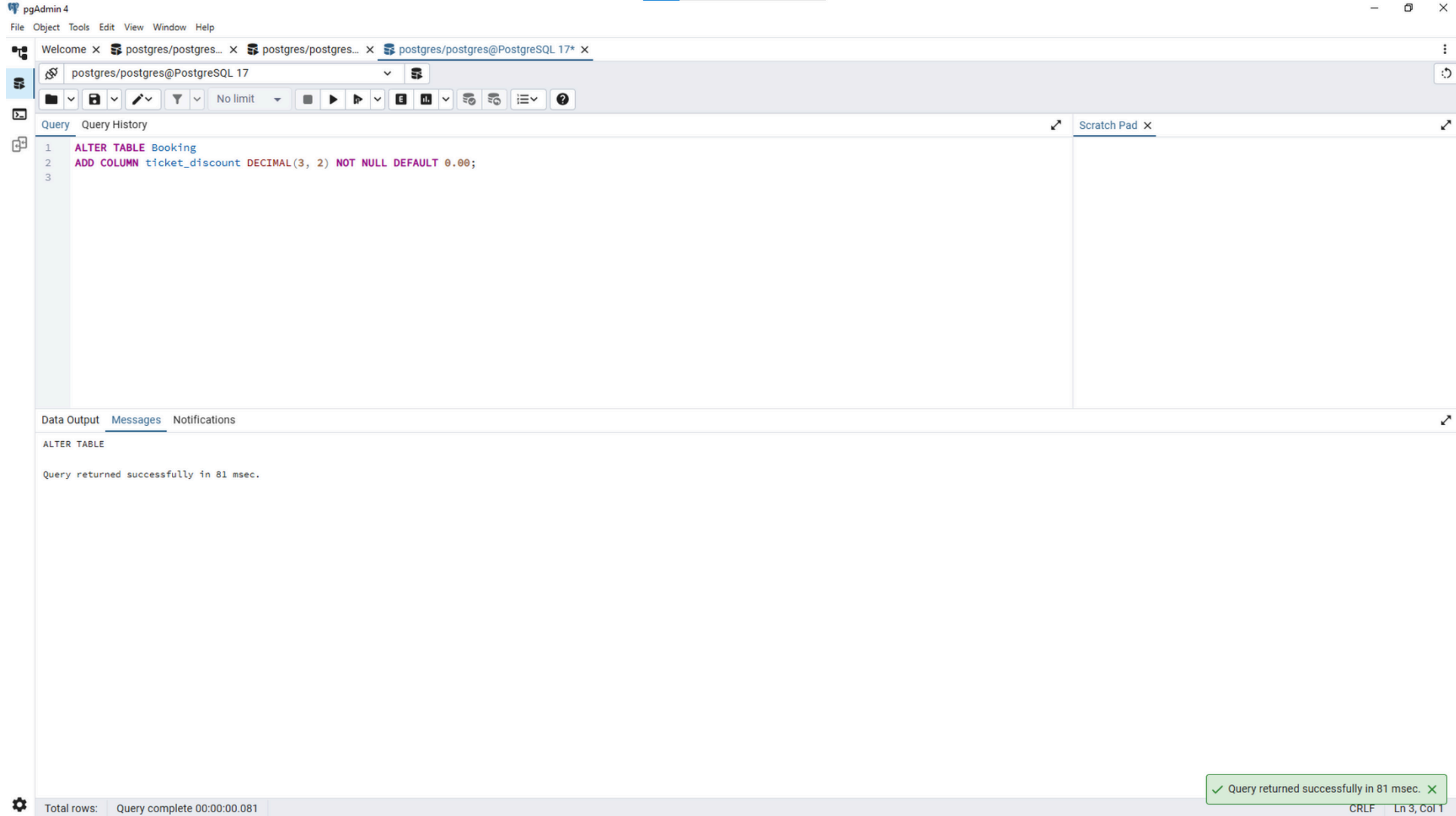
The screenshot shows the pgAdmin 4 web interface. The top navigation bar includes 'File', 'Object', 'Tools', 'Edit', 'View', 'Window', and 'Help'. The main toolbar contains icons for file operations, query execution, and other database management tasks. The 'Query' tab is active, displaying a SQL script to add a CHECK constraint to the 'Passengers' table. The script is as follows:

```
1 ALTER TABLE Passengers
2 ADD CONSTRAINT citizenship_age_check
3 CHECK (
4     (country_of_citizenship = 'Kazakhstan' AND date_of_birth <= CURRENT_DATE - INTERVAL '18 years')
5     OR
6     (country_of_citizenship = 'France' AND date_of_birth <= CURRENT_DATE - INTERVAL '17 years')
7     OR
8     (country_of_citizenship NOT IN ('Kazakhstan', 'France') AND date_of_birth <= CURRENT_DATE - INTERVAL '19 years')
9 );
```

The 'Messages' tab is also active, showing the execution result: 'ALTER TABLE' and 'Query returned successfully in 99 msec.' A green notification box at the bottom right confirms: 'Query returned successfully in 99 msec.' The status bar at the bottom indicates 'Total rows: Query complete 00:00:00.099' and 'CRLF Ln 7, Col 7'.

Add a CHECK constraint to add rule as follow (use column country_of_citizenship):

- Passengers from Kazakhstan must be at least 18 years old.
- Passengers from France must be at least 17 years old.
- Passengers from other countries must be at least 19 years old.



Add a ticket_discount column to table booking and a CHECK constraint to apply some discount based on ticket price and created time:

- the constraint applies a 5% discount for tickets created after 2024-01-01, and 10% discount for tickets created before 2024-01-01.

Execute script

F5

ALTER TABLE

Query returned successfully in 118 msec.