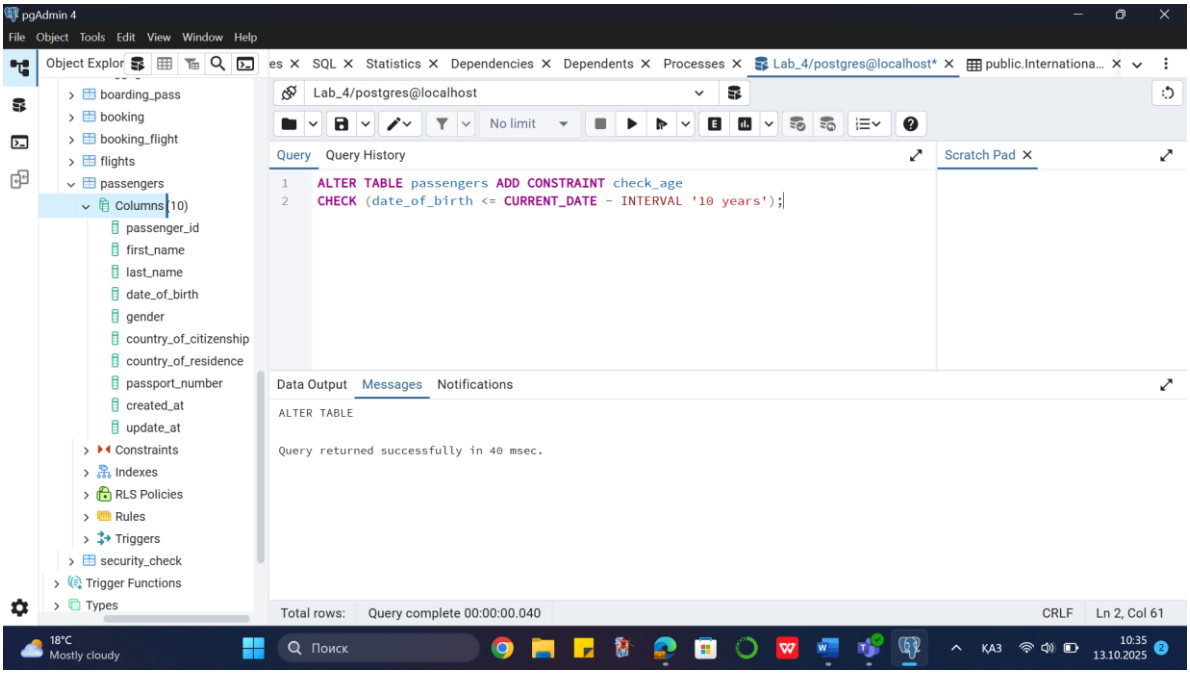
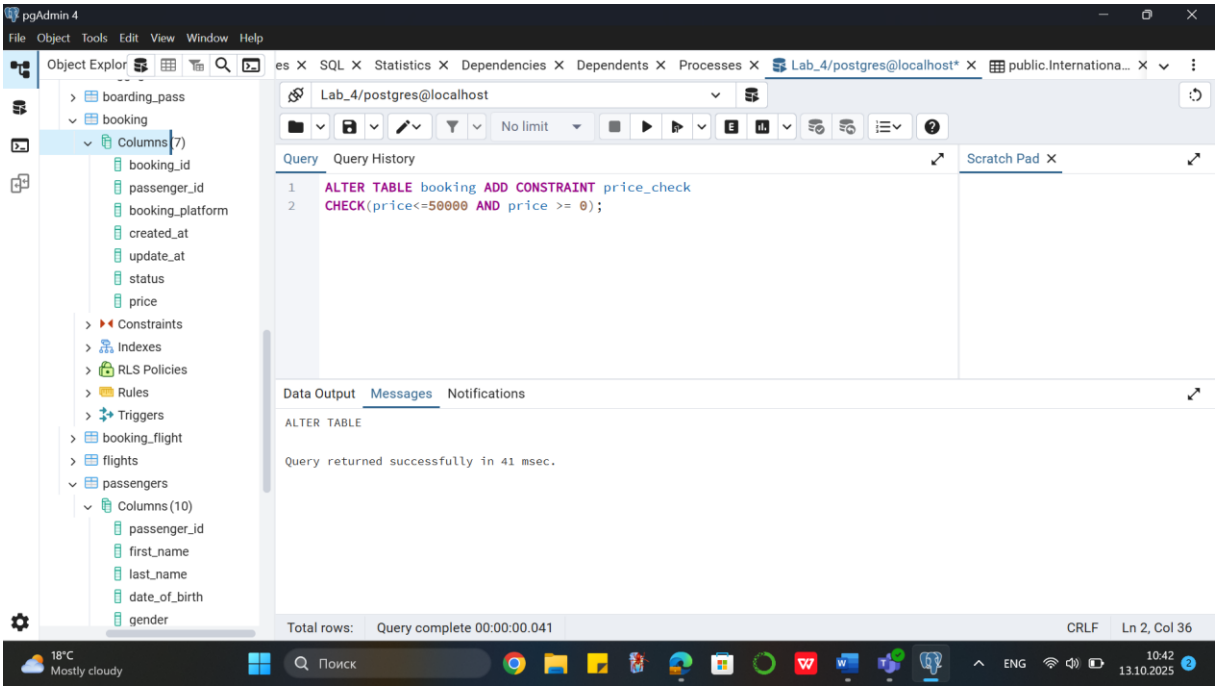
Laboratory work 5

Tasks:

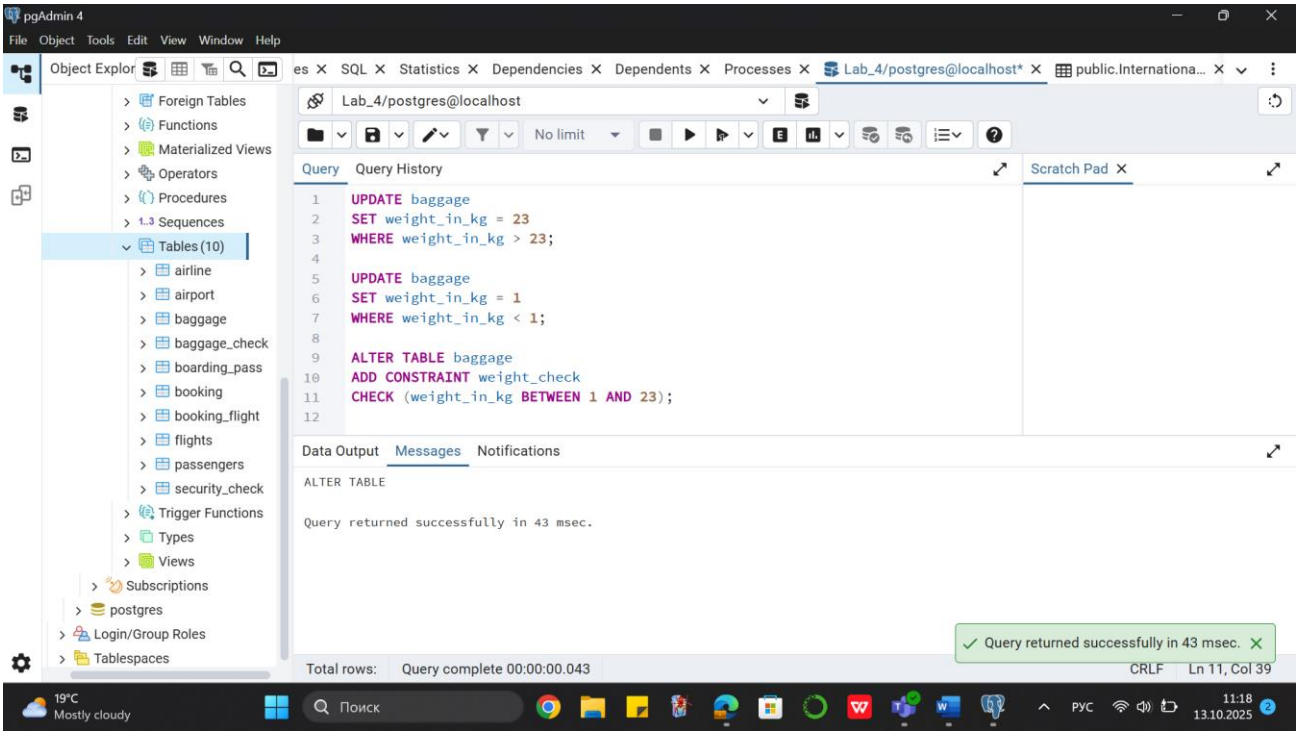
1. Add a CHECK constraint to passenger table to provide that passengers must be at least 10 years old.



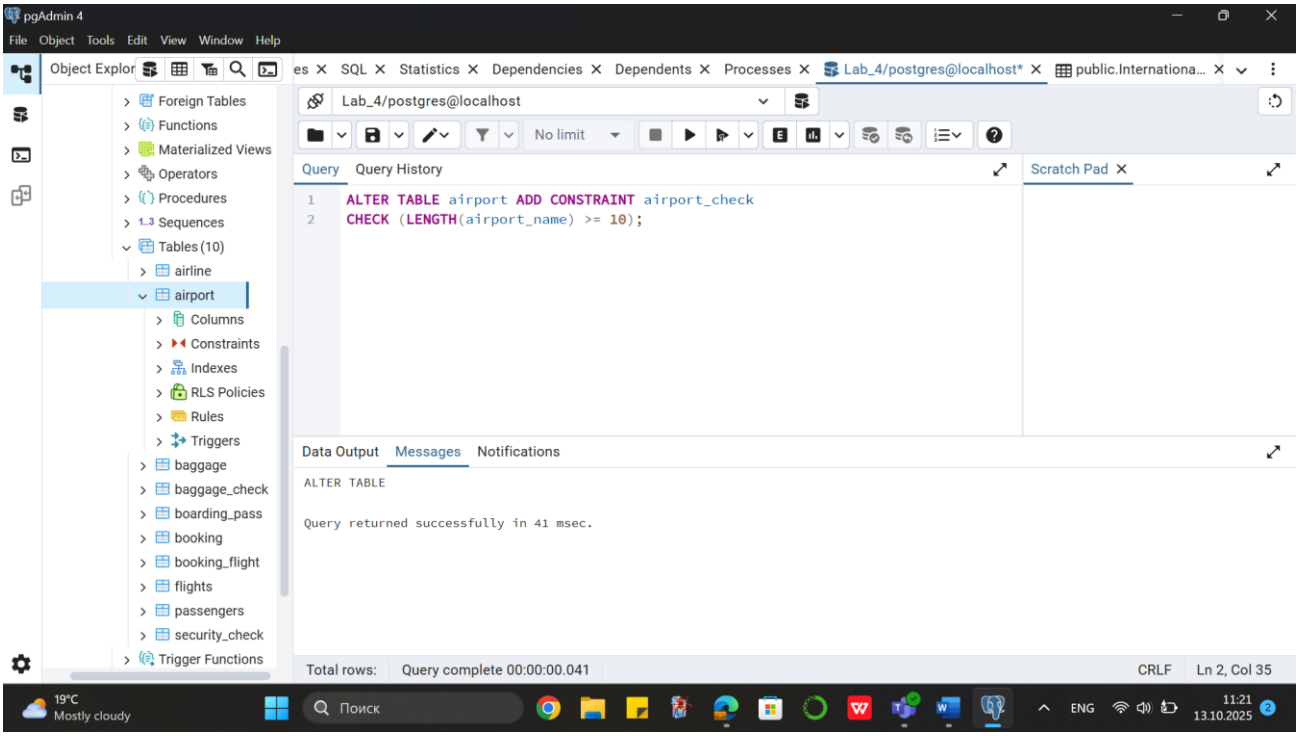
2. Add a CHECK constraint to accept values in booking price not more than 50000tg and less than 0tg.



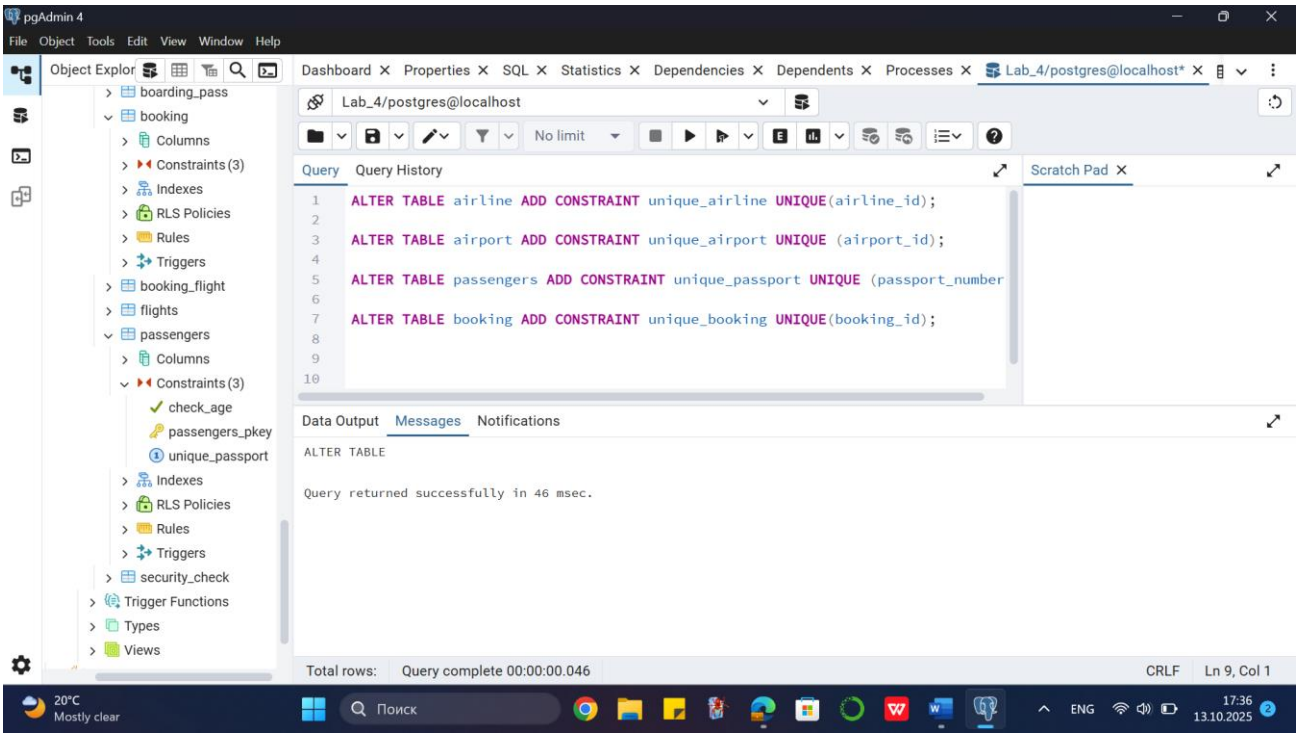
3. Add a CHECK constraint to accept the luggage weight between 1 and 23 kg.



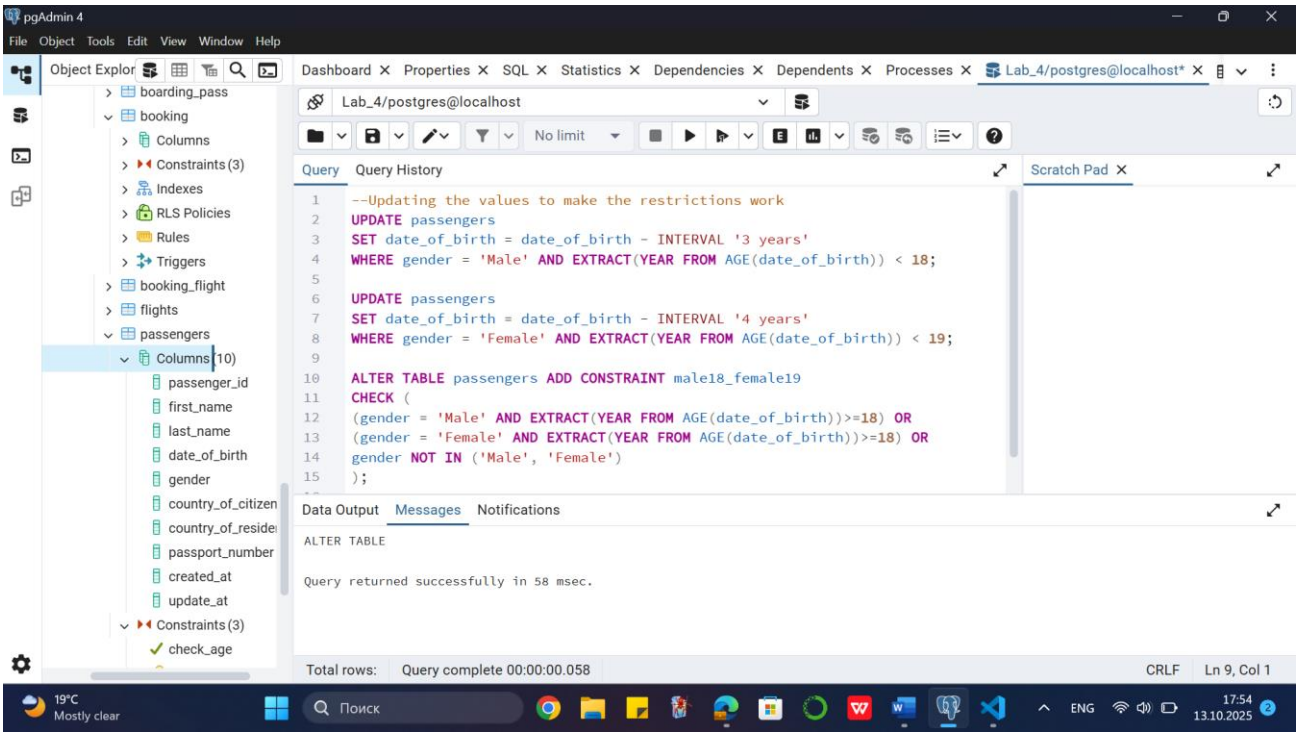
4. Add a CHECK constraint to ensure that all values in airport_name must have at least 10 characters.



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



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

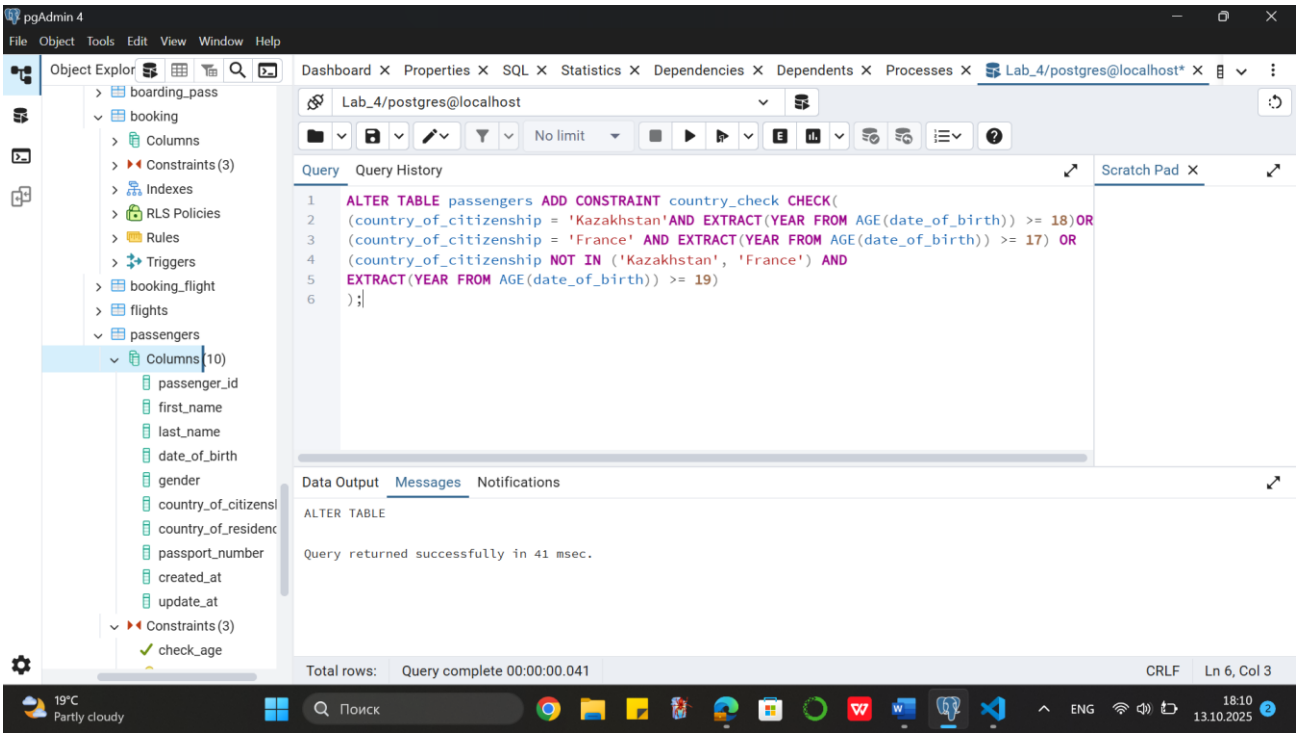


7. Add a CHECK constraint to add rule as follow (use column country_of_citizenship):

· Passengers from Kazakhstan must be at least 18 years old.

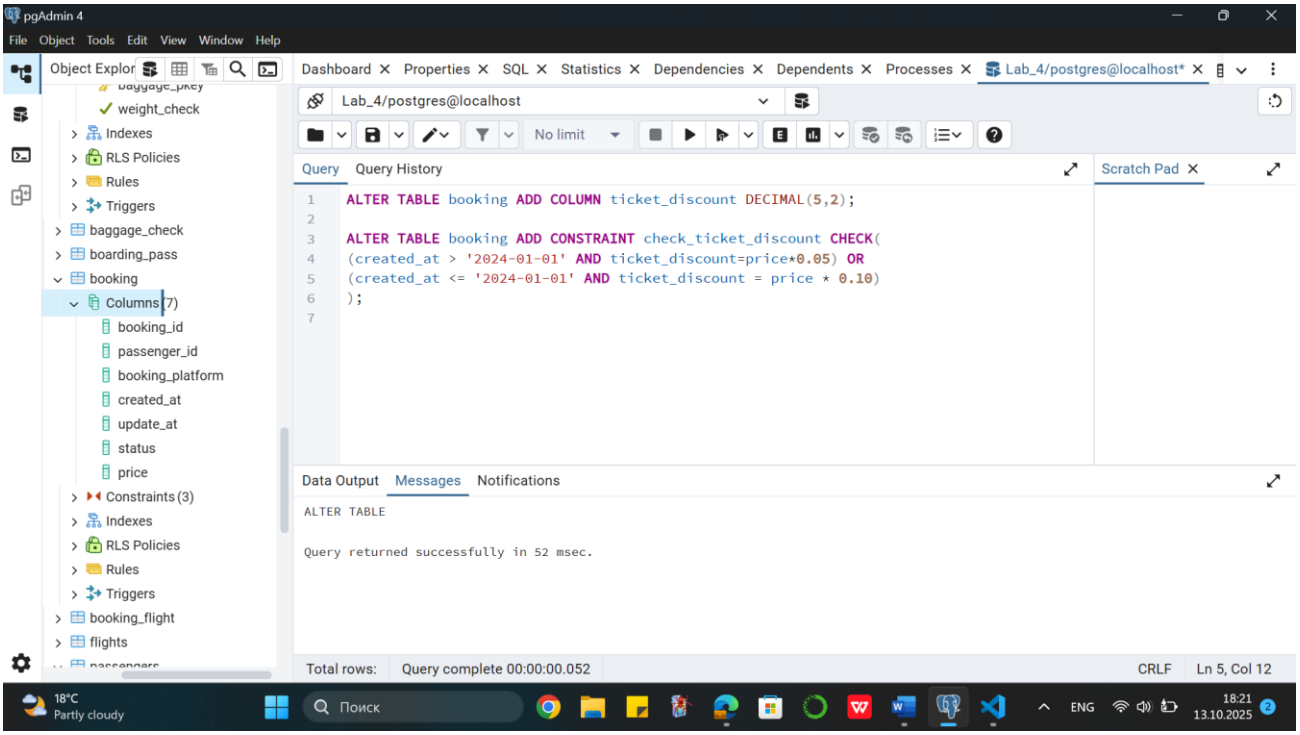
· Passengers from France must be at least 17 years old.

· Passengers from other countries must be at least 19 years old.



8. 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.


pgAdmin 4
File Object Tools Edit View Window Help
Object Explor
Dashboard
Properties
SQL
Statistics
Dependencies
Dependents
Processes
Lab_4/postgres@localhost*
Lab_4/postgres@localhost
No limit
Query
Query History
Scratch Pad
1 ALTER TABLE booking ADD COLUMN ticket_discount DECIMAL(5,2);
2
3 ALTER TABLE booking ADD CONSTRAINT check_ticket_discount CHECK(
4 (created_at > '2024-01-01' AND ticket_discount=price*0.05) OR
5 (created_at <= '2024-01-01' AND ticket_discount = price * 0.10)
6);
7
weight_check
Indexes
RLS Policies
Rules
Triggers
baggage_check
boarding_pass
booking
Columns (7)
booking_id
passenger_id
booking_platform
created_at
update_at
status
price
Constraints (3)
Indexes
RLS Policies
Rules
Triggers
booking_flight
flights
Data Output
Messages
Notifications
ALTER TABLE
Query returned successfully in 52 msec.
Total rows:
Query complete 00:00:00.052
CRLF
Ln 5, Col 12
18°C
Partly cloudy
Поиск
ENG
18:21
13.10.2025