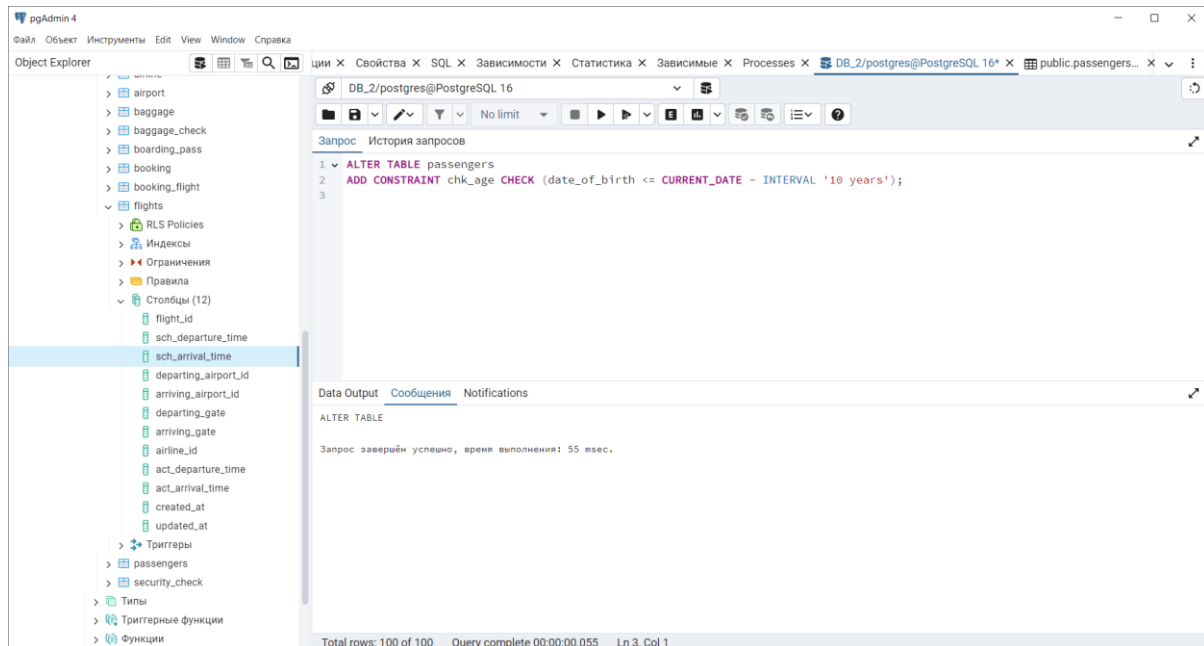


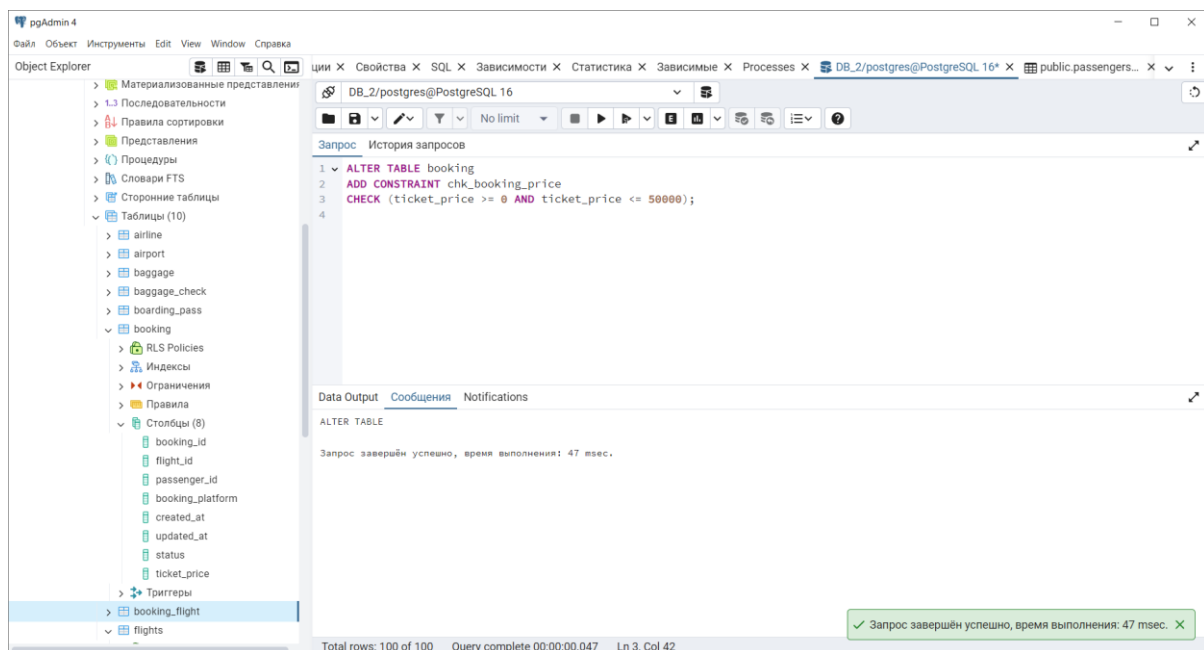
## Laboratory work 5

### Tasks:

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

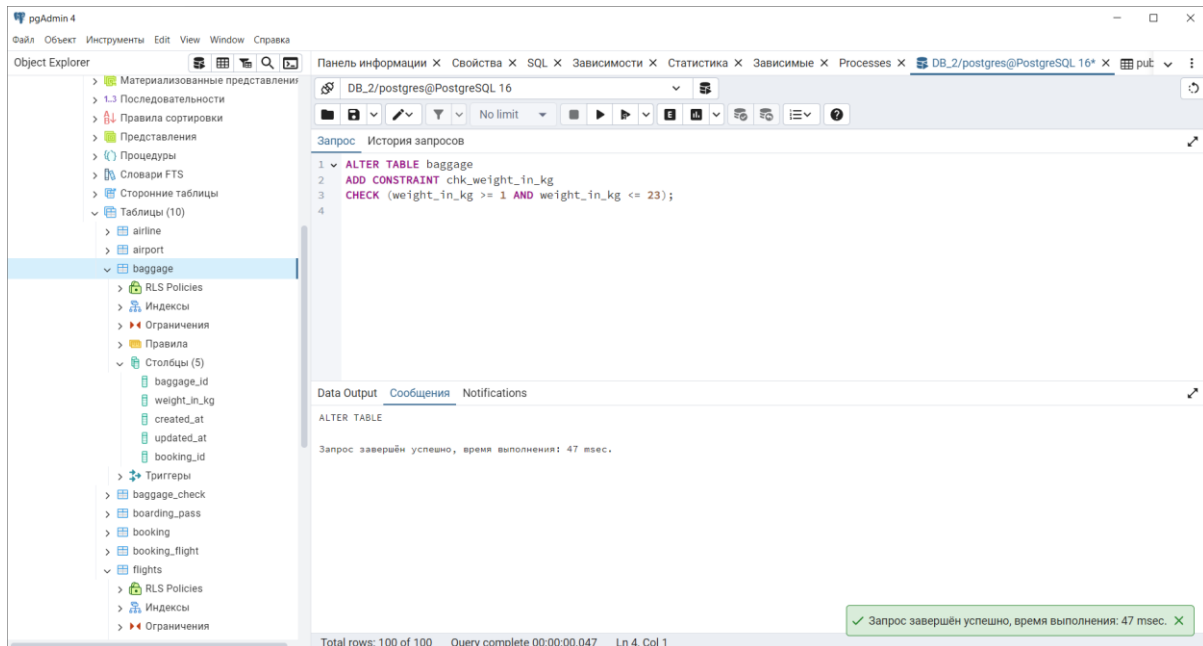


2. Add a CHECK constraint to accept values in booking price not more than 50000tgm and less than 0tgm.



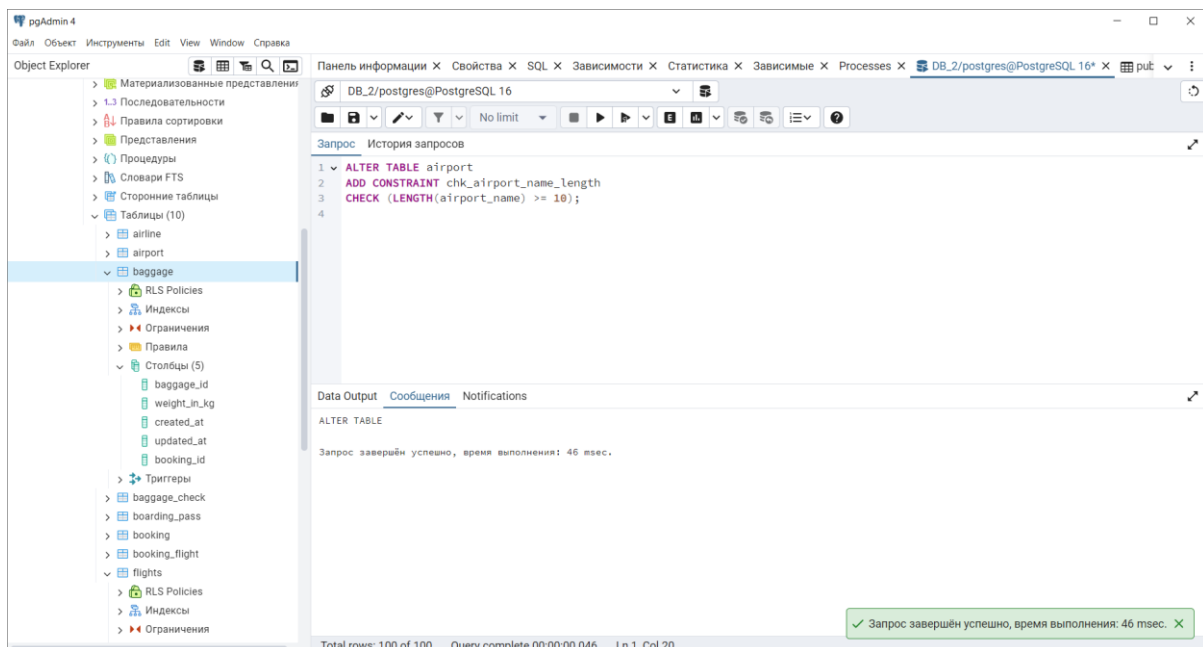
### 3. Add a CHECK constraint to accept the luggage weight between 1 and 23

kg.

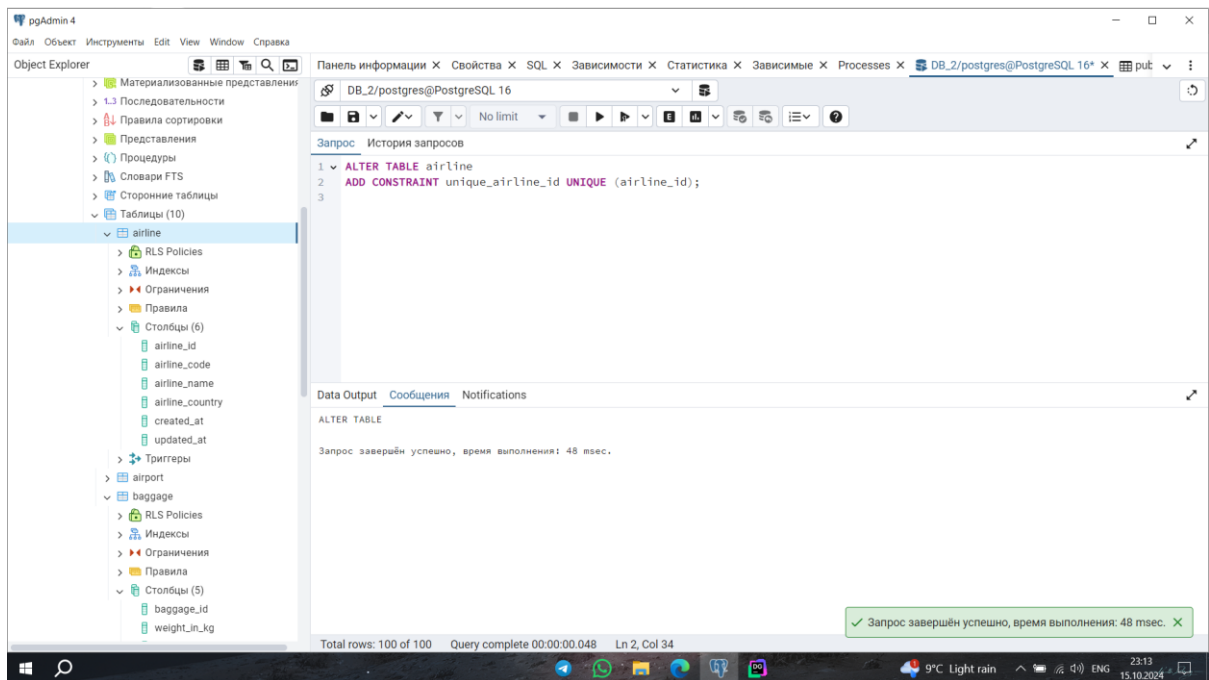


### 4. Add a CHECK constraint to ensure that all values in airport\_name must

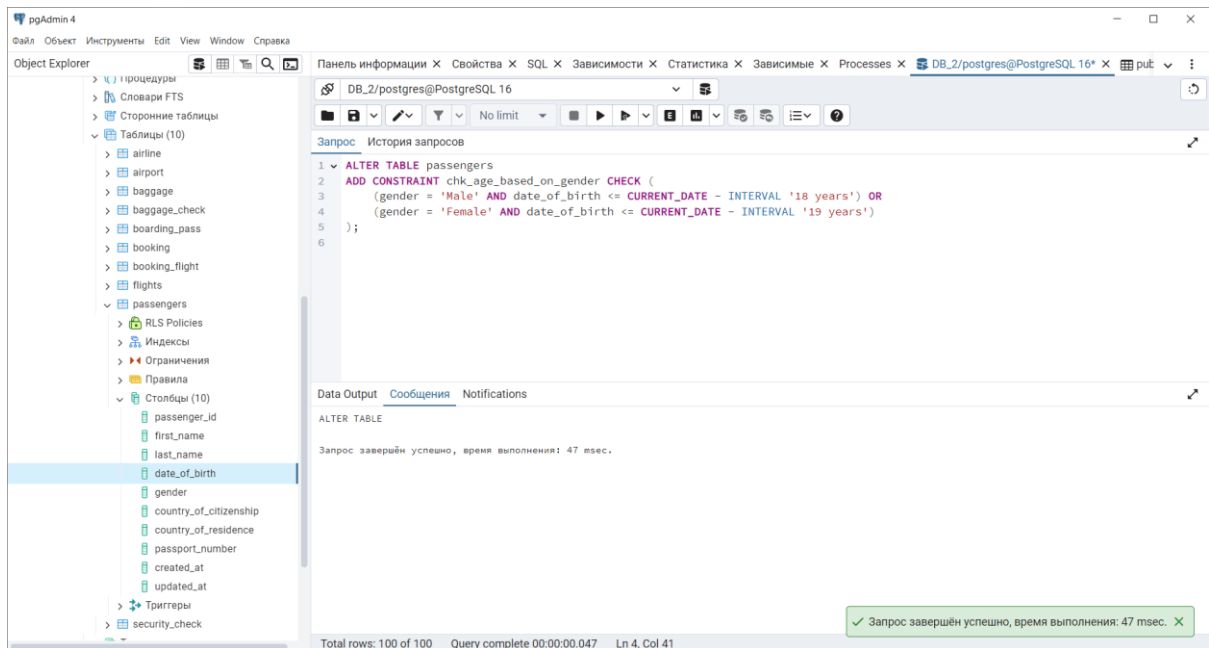
have at least 10 characters.



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



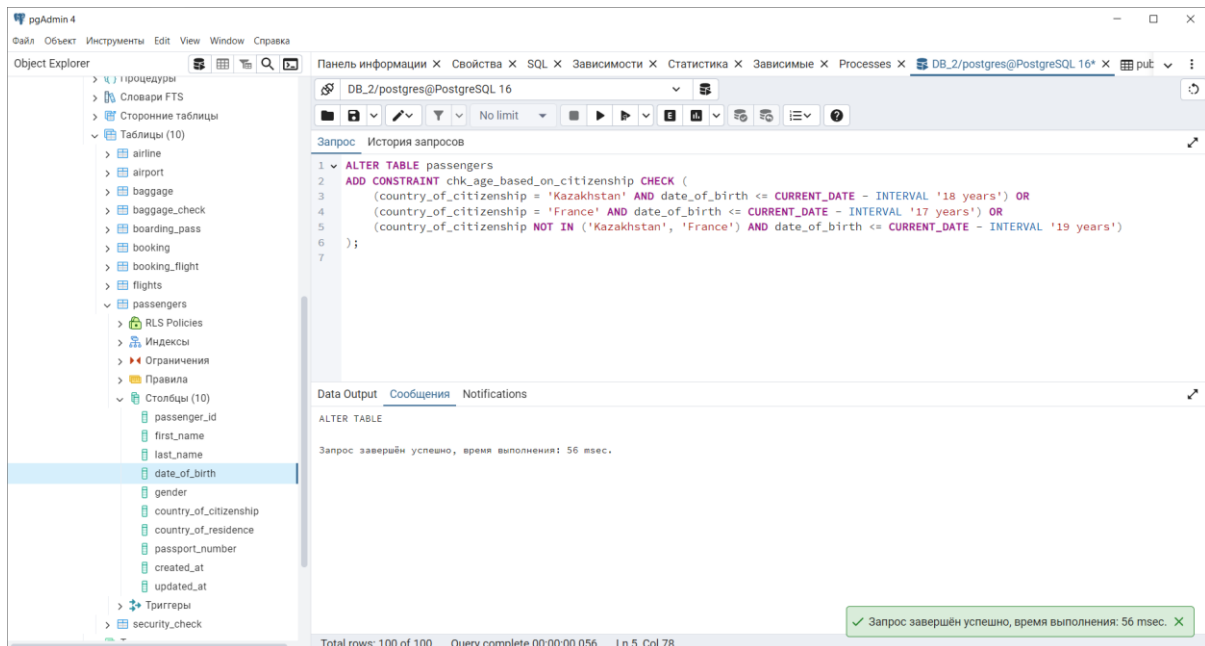
6. Add a CHECK constraint to ensure that male passengers must be at least 18 years old and female passengers must be 19 years old.



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

Файл Объект Инструменты Edit View Window Справка

Object Explorer

- > Процедурные
- > Словари FTS
- > Сторонние таблицы
- > Таблицы (10)
  - airline
  - airport
  - baggage
  - baggage\_check
  - boarding\_pass
  - booking
  - booking\_flight
  - flights
  - passengers
    - RLS Policies
    - Индексы
    - Ограничения
    - Правила
    - Столбцы (10)
      - passenger\_id
      - first\_name
      - last\_name
      - date\_of\_birth
      - gender
      - country\_of\_citizenship
      - country\_of\_residence
      - passport\_number
      - created\_at
      - updated\_at
  - Триггеры
  - security\_check

Панель информации X Свойства X SQL X Зависимости X Статистика X Зависимые X Processes X DB\_2/postgres@PostgreSQL 16\*

Запрос История запросов

```
1 ALTER TABLE booking
2 ADD COLUMN ticket_discount NUMERIC CHECK (
3 (created_at >= '2024-01-01' AND ticket_discount = ticket_price * 0.05) OR
4 (created_at < '2024-01-01' AND ticket_discount = ticket_price * 0.10)
5 );
6
```

Data Output Сообщения Notifications

ALTER TABLE

Запрос завершен успешно, время выполнения: 45 мсек.

Запрос завершен успешно, время выполнения: 45 мсек.

Total rows: 100 of 100 Query complete 00:00:00.045 Ln 6, Col 1