Laboratory work #5.

CONSTRAINTS.

```sql
ALTER TABLE passenger
ADD CONSTRAINT age_check CHECK(extract(year from now()) - extract(year from birthdate) >= 10);

INSERT INTO passenger (firstname, lastname, birthdate, gender, country_of_citizenship, country_of_residence, passport_number, created_at, updated_at)
VALUES
( firstname 'altain', lastname 'zharkimbaev', birthdate '2019-02-28', gender 'm', country_of_citizenship 'kazakhstan', country_of_residence 'kazakhstan', passport_number 324242, created_at now(
```

[23514] ОШИБКА: новая строка в отношении "passenger" нарушает ограничение-проверку "age_check"
 Подробности: Ошибочная строка содержит (31, altair, zharkimbaev, 2019-02-28, m, kazakhstan, kazakhstan, 324242, 2025-10-08 06:34:41.567313, null).

```sql
ALTER TABLE booking
ADD CONSTRAINT price_check CHECK(tickets_price > 0 AND tickets_price < 50000);

INSERT INTO booking (booking_platform, status, tickets_price, created_at, updated_at)
VALUES
( booking_platform 'aviasales', status 'open', tickets_price 52000, created_at now(), updated_at null);
```

[23514] ОШИБКА: новая строка в отношении "booking" нарушает ограничение-проверку "price_check"
 Подробности: Ошибочная строка содержит (31, aviasales, open, 52000.00, 2025-10-08 06:39:46.012746, null).

```sql
ALTER TABLE baggage
ADD CONSTRAINT weight_check CHECK(weight > 1 AND weight < 35);
INSERT INTO baggage (weight, booking_id, created_at, updated_at)
VALUES
( weight 36, booking_id 1, created_at now(), updated_at null);
```

[23514] ОШИБКА: новая строка в отношении "baggage" нарушает ограничение-проверку "weight_check"
 Подробности: Ошибочная строка содержит (16, 36.00, 1, 2025-10-08 06:42:39.971049, null).

```sql
ALTER TABLE airport
ADD CONSTRAINT name_length_check CHECK(length(airport_name) > 1);
INSERT INTO airport (airport_name, country, state, city, created_at, updated_at)
VALUES ( airport_name 'A', country 'kazakhstan', state 'Shymkent', city 'Shymkent', created_at now(), updated_at null);
```

[23514] ОШИБКА: новая строка в отношении "airport" нарушает ограничение-проверку "name_length_check"
 Подробности: Ошибочная строка содержит (9, A, kazakhstan, Shymkent, Shymkent, 2025-10-08 06:44:51.020278, null).

```sql
ALTER TABLE airline
ADD CONSTRAINT unique_name_constraint UNIQUE (airline_name);
ALTER TABLE airport
ADD CONSTRAINT unique_name_constraint UNIQUE (airport_name);
ALTER TABLE passenger
ADD CONSTRAINT unique_passport_constraint UNIQUE (passport_number);
```

```sql
ALTER TABLE passenger
ADD CONSTRAINT age_check_by_gender CHECK ((gender = 'm' AND extract(year from now()) - extract(year from birthdate) > 18) OR (gender = 'f' AND extract(year from now()) - extract(year from birthdate) > 1
```

```sql
ALTER TABLE passenger
ADD CONSTRAINT citizenship_check CHECK((country_of_citizenship = 'Kazakhstan' AND extract(year from now()) - extract(year from birthdate) >= 18)
                    OR (country_of_citizenship = 'France' AND extract(year from now()) - extract(year from birthdate) >= 17)
                    OR (country_of_citizenship != 'Kazakhstan' AND country_of_citizenship != 'France' AND extract(year from now()) - extract(year from birthdate) >= 19));

ALTER TABLE booking
ADD COLUMN ticket_discount DECIMAL(2,1) CHECK((created_at > '2024-01-01' AND ticket_discount = 0.05)
                    OR (created_at < '2024-01-01' AND ticket_discount = 0.10));
```