```sql
-- lab5

--1)

ALTER TABLE Passengers

ADD CONSTRAINT chk_passenger_age_min_10

CHECK (DATE_PART('year', AGE(date_of_birth)) >= 10);


--2)

ALTER TABLE Booking

ADD CONSTRAINT chk_ticket_price_range

CHECK (ticket_price BETWEEN 0 AND 50000);


--3)

ALTER TABLE Baggage

ADD CONSTRAINT chk_baggage_weight

CHECK (weight_in_kg BETWEEN 1 AND 23);

--4)

ALTER TABLE Airport

ADD CONSTRAINT chk_airport_name_length

CHECK (CHAR_LENGTH(airport_name) >= 10);


--5)

ALTER TABLE Airline

ADD CONSTRAINT uq_airline_code UNIQUE (airline_code);


ALTER TABLE Passengers

ADD CONSTRAINT uq_passport_number UNIQUE (passport_number);
```

```sql
ALTER TABLE Airport

ADD CONSTRAINT uq_airport_name UNIQUE (airport_name);


ALTER TABLE Booking

ADD CONSTRAINT uq_booking UNIQUE (flight_id, passenger_id);


--6)
ALTER TABLE Passengers

ADD CONSTRAINT chk_gender_age

CHECK (

   (gender = 'Male' AND DATE_PART('year', AGE(date_of_birth)) >= 18)

 OR (gender = 'Female' AND DATE_PART('year', AGE(date_of_birth)) >= 19)

);


--7)
ALTER TABLE Passengers

ADD CONSTRAINT chk_country_age

CHECK (

   (country_of_citizenship = 'Kazakhstan' AND DATE_PART('year', AGE(date_of_birth)) >= 18)

 OR (country_of_citizenship = 'France' AND DATE_PART('year', AGE(date_of_birth)) >= 17)

 OR (country_of_citizenship NOT IN ('Kazakhstan', 'France') AND DATE_PART('year', AGE(date_of_birth)) >= 19)

);
```

--8)

ALTER TABLE Booking

ADD COLUMN ticket_discount DECIMAL(5,2);

ALTER TABLE Booking

ADD CONSTRAINT chk_ticket_discount

CHECK (

  (created_at >= '2024-01-01' AND ticket_discount = ticket_price * 0.05)

 OR (created_at < '2024-01-01' AND ticket_discount = ticket_price * 0.10)

);

1)

2)

3)

4)

5)

6)

7)

8)


```sql
CHECK (
    (gender = 'Male' AND DATE_PART('year', AGE(date_of_birth)) >= 18)
    OR (gender = 'Female' AND DATE_PART('year', AGE(date_of_birth)) >= 19)
);


--7)
ALTER TABLE Passengers
ADD CONSTRAINT chk_country_age
CHECK (
    (country_of_citizenship = 'Kazakhstan' AND DATE_PART('year', AGE(date_of_birth)) >=
    OR (country_of_citizenship = 'France' AND DATE_PART('year', AGE(date_of_birth)) >= 17)
    OR (country_of_citizenship NOT IN ('Kazakhstan', 'France') AND DATE_PART('year', AGE(da
);

--8)
ALTER TABLE Booking
ADD COLUMN ticket_discount DECIMAL(5,2);
```

Data Output   Messages   Notifications

ALTER TABLE

Query returned successfully in 39 msec.


```sql
ALTER TABLE Passengers
ADD CONSTRAINT chk_country_age
CHECK (
    (country_of_citizenship = 'Kazakhstan' AND DATE_PART('year', AGE(date_of_birth)) >=
    OR (country_of_citizenship = 'France' AND DATE_PART('year', AGE(date_of_birth)) >= 17)
    OR (country_of_citizenship NOT IN ('Kazakhstan', 'France') AND DATE_PART('year', AGE(da
);

--8)
ALTER TABLE Booking
ADD COLUMN ticket_discount DECIMAL(5,2);

ALTER TABLE Booking
ADD CONSTRAINT chk_ticket_discount
CHECK (
    (created_at >= '2024-01-01' AND ticket_discount = ticket_price * 0.05)
    OR (created_at < '2024-01-01' AND ticket_discount = ticket_price * 0.10)
);
```

Data Output   Messages   Notifications

ALTER TABLE

Query returned successfully in 42 msec.

Query returned successfully in 42 msec.