

Database Exp console booking


postgres 1 of 4  
postgres 1 of 3  
public  
tables  
airline  
airport  
baggage  
baggage\_check  
boarding\_pass  
booking  
booking\_flight  
flights  
passengers  
security\_check  
Database Objects  
Server Objects

```
1 ALTER TABLE booking
2 ADD COLUMN ticket_discount DECIMAL(10,2);
3 ALTER TABLE booking
4 ADD CONSTRAINT chk_booking_discount
5 CHECK (
6 (created_at > '2024-01-01' AND ticket_discount = price * 0.05) OR
7 (created_at <= '2024-01-01' AND ticket_discount = price * 0.10)
8 );
```

Services

Output postgres.public.baggage

```
[2025-10-15 00:05:05] postgres.public> ALTER TABLE booking
ADD CONSTRAINT chk_booking_discount
CHECK (
(created_at > '2024-01-01' AND ticket_discount = price * 0.05) OR
(created_at <= '2024-01-01' AND ticket_discount = price * 0.10)
)
[2025-10-15 00:05:05] completed in 2 ms
```



Database Explorer

- postgres 1 of 4
  - postgres 1 of 3
    - public
      - tables 10
        - airline
        - airport
        - baggage
        - baggage\_check
        - boarding\_pass
        - booking
        - booking\_flight
        - flights
        - passengers
        - security\_check
      - Database Objects
      - Server Objects

console

```
1 ALTER TABLE passengers
2 ADD CONSTRAINT chk_passenger_country_age
3 CHECK (
4     (country_of_citizenship = 'Kazakhstan' AND date_of_birth <= '2007-01-01') OR
5     (country_of_citizenship = 'France' AND date_of_birth <= '2007-01-01') OR
6     (country_of_citizenship NOT IN ('Kazakhstan', 'France') AND date_of_birth <= '2007-01-01')
7 );
```

Services

Output

```
ADD CONSTRAINT chk_passenger_country_age
CHECK (
    (country_of_citizenship = 'Kazakhstan' AND date_of_birth <= '2007-01-01') OR
    (country_of_citizenship = 'France' AND date_of_birth <= '2007-01-01') OR
    (country_of_citizenship NOT IN ('Kazakhstan', 'France') AND date_of_birth <= '2007-01-01')
)
```

[2025-10-15 00:04:19] completed in 4 ms

Database Consoles > postgres > console

4/63 CRLF UTF-8 4 spaces

Database Explorer

- postgres (1 of 4)
  - postgres (1 of 3)
    - public
      - tables (10)
        - airline
        - airport
        - baggage
        - baggage\_check
        - boarding\_pass
        - booking
        - booking\_flight
        - flights
        - passengers
        - security\_check
      - Database Objects
      - Server Objects

console

```
1  
2  
3  
4  
5 ✓ ALTER TABLE passengers  
6   ADD CONSTRAINT chk_passenger_gender_age  
7   CHECK (  
8     (gender = 'Male' AND date_of_birth <= '2007-01-01') OR  
9     (gender = 'Female' AND date_of_birth <= '2006-01-01')  
10  )
```

Services

Output

```
[2025-10-15 00:02:55] postgres.public> ALTER TABLE passengers  
                                ADD CONSTRAINT chk_passenger_gender_age  
                                CHECK (  
                                (gender = 'Male' AND date_of_birth <= '2007-01-01') OR  
                                (gender = 'Female' AND date_of_birth <= '2006-01-01')  
                                )  
[2025-10-15 00:02:55] completed in 6 ms
```

Database Consoles > postgres > console

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Database Explorer

- postgres (1 of 4)
  - postgres (1 of 3)
    - public
      - tables (10)
        - airline
        - airport
        - baggage
        - baggage\_check
        - boarding\_pass
        - booking
        - booking\_flight
        - flights
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console x airport flights booking

Tx: Auto Playground

```
1 ✓ ALTER TABLE passengers ADD CONSTRAINT uq_passenger_passport UNIQUE (passport_number);
2 ✓ ALTER TABLE booking ADD CONSTRAINT uq_booking_number UNIQUE (booking_id);
3 ✓ ALTER TABLE flights ADD CONSTRAINT uq_flight_number UNIQUE (flight_id);
4 ✓ ALTER TABLE airport ADD CONSTRAINT uq_airport_code UNIQUE (airport_id);
```


Services

Output postgres.public.baggage

```
[2025-10-14 23:26:20] completed in 12 ms
[2025-10-14 23:26:20] postgres.public> ALTER TABLE booking ADD CONSTRAINT uq_booking_number UNIQUE (booking_id)
[2025-10-14 23:26:20] completed in 5 ms
[2025-10-14 23:26:20] postgres.public> ALTER TABLE flights ADD CONSTRAINT uq_flight_number UNIQUE (flight_id)
[2025-10-14 23:26:20] completed in 8 ms
[2025-10-14 23:26:20] postgres.public> ALTER TABLE airport ADD CONSTRAINT uq_airport_code UNIQUE (airport_id)
[2025-10-14 23:26:20] completed in 6 ms
```

Database Consoles > postgres > console

4:70 CRLF UTF-8 4 spaces



Database Explorer

- postgres (1 of 4)
  - postgres (1 of 3)
    - public
      - tables (10)
        - airline
        - airport
        - baggage
        - baggage\_check
        - boarding\_pass
        - booking
        - booking\_flight
        - flights
        - passengers
        - security\_check
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      - Server Objects

console

```
1 alter table airport
2 add constraint chk_airport check ( length(airport_name) >= 10 )
```

4

Services

Output postgres.public.baggage

```
[2025-10-14 23:09:57] postgres.public> ALTER TABLE baggage
ADD CONSTRAINT chk_baggage CHECK (weight_in_kg >= 1 AND weight_in_kg <= 23
)
[2025-10-14 23:09:57] completed in 3 ms
[2025-10-14 23:17:01] postgres.public> alter table airport
add constraint chk_airport check ( length(airport_name) >= 10 )
[2025-10-14 23:17:01] completed in 6 ms
```

Database Consoles > postgres > console

2:65 CRLF UTF-8 4 spaces

lab-2 Version control

Database Explorer

- postgres 1 of 4
  - postgres 1 of 3
    - public
      - tables 10
        - airline
        - airport
        - baggage
        - baggage\_check
        - boarding\_pass
        - booking
        - booking\_flight
        - flights
        - passengers
        - security\_check
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      - Server Objects

console

```
1 ALTER TABLE baggage
2 ADD CONSTRAINT chk_baggage CHECK (weight_in_kg >= 1 AND weight_in_kg <= 23
3 );
4
```

3

Services

Output postgres.public.baggage

```
SET weight_in_kg = 23
WHERE weight_in_kg > 23 OR weight_in_kg IS NULL
[2025-10-14 23:09:40] 284 rows affected in 4 ms
[2025-10-14 23:09:57] postgres.public> ALTER TABLE baggage
ADD CONSTRAINT chk_baggage CHECK (weight_in_kg >= 1 AND weight_in_kg <= 23
)
[2025-10-14 23:09:57] completed in 3 ms
```

Database Consoles > postgres > console 3.5 CRLF UTF-8 4 spaces

Database Explorer

- postgres (1 of 4)
  - postgres (1 of 3)
    - public
      - tables (10)
        - airline
        - airport
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        - baggage\_check
        - boarding\_pass
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        - booking\_flight
        - flights
        - passengers
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console x booking

```
1 ✓ alter table booking
2 add constraint chk_price check ( price >= 0 and price <= 50000 )
```

2

Services

Database

- postgres
  - console
  - booking

Database Consoles > postgres > console

2:63 CRLF UTF-8 4 spaces

[2025-10-14 22:51:44] 140 rows affected in 12 ms

```
[2025-10-14 22:51:44] postgres.public> ALTER TABLE passengers
                        ADD CONSTRAINT chk_age CHECK (date_of_birth >= '2000-01-01')
```

[2025-10-14 22:51:44] completed in 3 ms

```
[2025-10-14 22:53:51] postgres.public> alter table booking
                        add constraint chk_price check ( price >= 0 and price <= 50000 )
```

[2025-10-14 22:53:51] completed in 5 ms

Database Explorer

- postgres 1 of 4
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    - public
      - tables 10
        - airline
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        - baggage\_check
        - boarding\_pass
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        - booking\_flight
        - flights
        - passengers
        - security\_check
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      - Server Objects

console x passengers

```
1 ✓ ALTER TABLE passengers
2   ADD CONSTRAINT chk_age CHECK (date_of_birth >= '2000-01-01');
3
```

1

Services

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- Database
  - postgres
    - console 2
    - passenger

```
[2025-10-14 22:51:33] postgres.public> UPDATE passengers
SET date_of_birth = '2000-01-01'
WHERE date_of_birth < '2000-01-01'
[2025-10-14 22:51:33] 148 rows affected in 12 ms
[2025-10-14 22:51:44] postgres.public> ALTER TABLE passengers
ADD CONSTRAINT chk_age CHECK (date_of_birth >= '2000-01-01')
[2025-10-14 22:51:44] completed in 3 ms
```

Database Consoles > postgres > console

3:1 CRLF UTF-8 4 spaces