



What's New in DataGrip

console ×

public

boarding_pass



Tx: Auto ▾

Playground ▾

Lab_db.public ▾



```
1 CREATE TABLE Airline_info (  
2     airline_id INT PRIMARY KEY,  
3     airline_code VARCHAR(30) NOT NULL,  
4     airline_name VARCHAR(50) NOT NULL,  
5     airline_country VARCHAR(50) NOT NULL,  
6     created_at TIMESTAMP NOT NULL,  
7     updated_at TIMESTAMP NOT NULL,  
8     info VARCHAR(50) NOT NULL  
9 );  
10  
11 ✓ CREATE TABLE Airport (  
12     ✨ airport_id INT PRIMARY KEY,  
13     airport_name VARCHAR(50) NOT NULL,  
14     country VARCHAR(50) NOT NULL,  
15     state VARCHAR(50) NOT NULL,  
16     city VARCHAR(50) NOT NULL,  
17     created_at TIMESTAMP NOT NULL,  
18     updated_at TIMESTAMP NOT NULL  
19 );  
20  
21  
22 ✓ CREATE TABLE Baggage_check (  
23     baggage_check_id INT PRIMARY KEY,  
24     check_result VARCHAR(50) NOT NULL,  
25     created_at TIMESTAMP NOT NULL,  
26     updated_at TIMESTAMP NOT NULL,  
27     booking_id INT NOT NULL,  
28     passenger_id INT NOT NULL  
29 );  
30  
31  
32 ✓ CREATE TABLE Baggage (  
33     baggage_id INT PRIMARY KEY,  
34     weight_in_kg DECIMAL(4,2) NOT NULL,  
35     created_at TIMESTAMP NOT NULL,
```





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Tx: Auto ▾



Playground ▾

Lab_db.public ▾



```
30
31
32 ✓ CREATE TABLE Baggage (
33     baggage_id INT PRIMARY KEY,
34     weight_in_kg DECIMAL(4,2) NOT NULL,
35     created_at TIMESTAMP NOT NULL,
36     updated_at TIMESTAMP NOT NULL,
37     booking_id INT NOT NULL
38 );
39
40
41 ✓ CREATE TABLE Boarding_pass (
42     boarding_pass_id INT PRIMARY KEY,
43     booking_id INT NOT NULL,
44     seat VARCHAR(50) NOT NULL,
45     boarding_time TIMESTAMP NOT NULL,
46     created_at TIMESTAMP NOT NULL,
47     updated_at TIMESTAMP NOT NULL
48 );
49
50
51 ✓ CREATE TABLE Booking_flight (
52     booking_flight_id INT PRIMARY KEY,
53     booking_id INT NOT NULL,
54     flight_id INT NOT NULL,
55     created_at TIMESTAMP NOT NULL,
56     updated_at TIMESTAMP NOT NULL
57 );
58
59
60 ✓ CREATE TABLE Booking (
61     booking_id INT PRIMARY KEY,
62     flight_id INT NOT NULL,
63     passenger_id INT NOT NULL,
64     booking_platform VARCHAR(50) NOT NULL
```





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console ×

public

boarding_pass



Tx: Auto ▾



Playground ▾

Lab_db.public ▾



```
60 ✓ CREATE TABLE Booking (  
61     booking_id INT PRIMARY KEY,  
62     flight_id INT NOT NULL,  
63     passenger_id INT NOT NULL,  
64     booking_platform VARCHAR(50) NOT NULL,  
65     created_at TIMESTAMP NOT NULL,  
66     updated_at TIMESTAMP NOT NULL,  
67     status VARCHAR(50) NOT NULL,  
68     price DECIMAL(7,2) NOT NULL  
69 );  
70  
71  
72 ✓ CREATE TABLE Flights (  
73     flight_id INT PRIMARY KEY,  
74     sch_departure_time TIMESTAMP NOT NULL,  
75     sch_arrival_time TIMESTAMP NOT NULL,  
76     departing_airport_id INT NOT NULL,  
77     arriving_airport_id INT NOT NULL,  
78     departing_gate VARCHAR(50) NOT NULL,  
79     arriving_gate VARCHAR(50) NOT NULL,  
80     airline_id INT NOT NULL,  
81     act_departure_time TIMESTAMP NOT NULL,  
82     act_arrival_time TIMESTAMP NOT NULL,  
83     created_at TIMESTAMP NOT NULL,  
84     updated_at TIMESTAMP NOT NULL  
85 );  
86  
87  
88 ✓ CREATE TABLE Passengers (  
89     passenger_id INT PRIMARY KEY,  
90     first_name VARCHAR(50) NOT NULL,  
91     last_name VARCHAR(50) NOT NULL,  
92     date_of_birth DATE NOT NULL,  
93     gender VARCHAR(50) NOT NULL,  
94     country_of_citizenship VARCHAR(50) NOT NULL,
```





What's New in DataGrip

console ×

public

boarding_pass



Tx: Auto ▾



Playground ▾

Lab_db.public ▾



```
72 CREATE TABLE Flights (  
82     act_arrival_time TIMESTAMP NOT NULL,  
83     created_at TIMESTAMP NOT NULL,  
84     updated_at TIMESTAMP NOT NULL  
85 );  
86  
87  
88 ✓ CREATE TABLE Passengers (  
89     passenger_id INT PRIMARY KEY,  
90     first_name VARCHAR(50) NOT NULL,  
91     last_name VARCHAR(50) NOT NULL,  
92     date_of_birth DATE NOT NULL,  
93     gender VARCHAR(50) NOT NULL,  
94     country_of_citizenship VARCHAR(50) NOT NULL,  
95     country_of_residence VARCHAR(50) NOT NULL,  
96     passport_number VARCHAR(20) NOT NULL,  
97     created_at TIMESTAMP NOT NULL,  
98     updated_at TIMESTAMP NOT NULL  
99 );  
100  
101  
102 ✓ CREATE TABLE Security_check (  
103     security_check_id INT PRIMARY KEY,  
104     check_result VARCHAR(20) NOT NULL,  
105     created_at TIMESTAMP NOT NULL,  
106     updated_at TIMESTAMP NOT NULL,  
107     passenger_id INT NOT NULL  
108 );  
109  
110
```





What's New in DataGrip

🔍 console

🔗 public

🔗 boarding_pass ×



baggage	
weight_in_kg	numeric(4,2)
created_at	timestamp
updated_at	timestamp
booking_id	integer
baggage_id	integer

boarding_pass	
booking_id	integer
seat	varchar(50)
boarding_time	timestamp
created_at	timestamp
updated_at	timestamp
boarding_pass_id	integer

baggage_check	
check_result	varchar(50)
created_at	timestamp
updated_at	timestamp
booking_id	integer
passenger_id	integer
baggage_check_id	integer

booking_flight	
booking_id	integer
flight_id	integer
created_at	timestamp
updated_at	timestamp
booking_flight_id	integer

airport	
airport_name	varchar(50)
country	varchar(50)
state	varchar(50)
city	varchar(50)
created_at	timestamp
updated_at	timestamp
airport_id	integer

passengers	
first_name	varchar(50)
last_name	varchar(50)
date_of_birth	date
gender	varchar(50)
country_of_citizenship	varchar(50)
country_of_residence	varchar(50)
passport_number	varchar(20)
created_at	timestamp
updated_at	timestamp
passenger_id	integer

airline_info	
airline_code	varchar(30)
airline_name	varchar(50)
airline_country	varchar(50)
created_at	timestamp
updated_at	timestamp
info	varchar(50)
airline_id	integer

booking	
flight_id	integer
passenger_id	integer
booking_platform	varchar(50)
created_at	timestamp
updated_at	timestamp
status	varchar(50)
price	numeric(7,2)
booking_id	integer

flights	
sch_departure_time	timestamp
sch_arrival_time	timestamp
departing_airport_id	integer
arriving_airport_id	integer
departing_gate	varchar(50)
arriving_gate	varchar(50)
airline_id	integer
act_departure_time	timestamp
act_arrival_time	timestamp
created_at	timestamp
updated_at	timestamp
flight_id	integer

security_check	
check_result	varchar(20)
created_at	timestamp
updated_at	timestamp
passenger_id	integer
security_check_id	integer



L2 Lab work 2 ▾ Version control ▾

What's New in DataGrip

console ×

public

boarding_pass

▶ ⌚ ⓘ ⚙️ 🖨️ Tx: Auto ▾ Playground ▾

Lab_db.public ▾

1 ✓ ALTER TABLE airline_info RENAME TO airline;

2 |

Services

Tx: + 🔍 📄 ⏏️

Database

Lab_db@localhost

console 47 ms

[2025-09-23 19:25:35] Lab_db.public> CREATE TABLE Security_check (

security_check_id INT PRIMARY KEY,

check_result VARCHAR(20) NOT NULL,

created_at TIMESTAMP NOT NULL,

updated_at TIMESTAMP NOT NULL,

passenger_id INT NOT NULL

)

[2025-09-23 19:25:35] completed in 3 ms

[2025-09-23 19:45:29] Lab_db.public> ALTER TABLE airline_info RENAME TO airline

[2025-09-23 19:45:29] completed in 10 ms

Connected (moments ago)2:1 LF UTF-8 4 spaces 🔗

L2 Lab work 2 ▾ Version control ▾

Database Explorer

+

+

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DDL

↶

👁

▼ Lab_db@localhost 1 of 6

▼ Lab_db 1 of 3

▼ public

▼ tables 10

airline

airport

baggage

baggage_check

boarding_pass

booking

booking_flight

flights

passengers

security_check

Database Objects

Server Objects

What's New in DataGrip

console

airline x

public

boarding_pass

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Tx: Auto ▾

DDL

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🔗

CSV ▾

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⚙

WHERE

ORDER BY

airline_id ▾

airline_code ▾

airline_name ▾

airline_country ▾

created_at ▾

0 rows ▾ ⋮

Services

Tx

+

👁

📄

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Database

▼ Lab_db@localhost

airline 393 ms

console 47 ms

[2025-09-23 19:45:44] Connected

[2025-09-23 19:45:44] Lab_db.public> SELECT t.*

FROM public.airline t

LIMIT 501

[2025-09-23 19:45:44] 0 rows retrieved in 329 ms (execution: 5 ms, fetching: 324 ms)

0 rows retrieved in 329 ms (execution: 5 ms, fetching: 324 ms)



Database Explorer



- Lab_db@localhost 1 of 6
 - Lab_db 1 of 3
 - public
 - tables 10
 - airline
 - airport
 - baggage
 - baggage_check
 - boarding_pass
 - booking
 - booking_flight
 - flights
 - passengers
 - security_check
 - Database Objects
 - Server Objects

What's New in DataGrip

console ×

airline

public

boarding_pass



Tx: Auto ▾

Playground ▾

Lab_db.public ▾

```
1 ✓ ALTER TABLE booking RENAME COLUMN price TO ticket_price;
2
3
```

Services



- Database
 - Lab_db@localhost
 - airline 393 ms
 - console 61 ms

```
check_result VARCHAR(20) NOT NULL,
created_at TIMESTAMP NOT NULL,
updated_at TIMESTAMP NOT NULL,
passenger_id INT NOT NULL
```

)

```
[2025-09-23 19:25:35] completed in 3 ms
[2025-09-23 19:45:29] Lab_db.public> ALTER TABLE airline_info RENAME TO airline
[2025-09-23 19:45:29] completed in 10 ms
[2025-09-23 19:51:22] Lab_db.public> ALTER TABLE booking RENAME COLUMN price TO ticket_price
[2025-09-23 19:51:22] completed in 13 ms
```




Database Explorer



- Lab_db@localhost 1 of 6
 - Lab_db 1 of 3
 - public
 - tables 10
 - airline
 - airport
 - baggage
 - baggage_check
 - boarding_pass
 - booking
 - booking_flight
 - flights
 - passengers
 - security_check
 - Database Objects
 - Server Objects

What's New in DataGrip

console ×

flights

airport

airline

public

boarding_pass



Tx: Auto ▾

Playground ▾

Lab_db.public ▾

```
1 ✓ ALTER TABLE flights ALTER COLUMN departing_gate TYPE text;
```

2

Services



- Database
 - Lab_db@localhost
 - airline 393 ms
 - console 30 ms
 - airport 367 ms
 - flights 422 ms

```
updated_at TIMESTAMP NOT NULL,  
passenger_id INT NOT NULL
```

)

```
[2025-09-23 19:25:35] completed in 3 ms
```

```
[2025-09-23 19:45:29] Lab_db.public> ALTER TABLE airline_info RENAME TO airline
```

```
[2025-09-23 19:45:29] completed in 10 ms
```

```
[2025-09-23 19:51:22] Lab_db.public> ALTER TABLE booking RENAME COLUMN price TO ticket_price
```

```
[2025-09-23 19:51:22] completed in 13 ms
```

```
[2025-09-23 19:52:19] Lab_db.public> ALTER TABLE flights ALTER COLUMN departing_gate TYPE text
```

```
[2025-09-23 19:52:19] completed in 12 ms
```





Database Explorer



- Lab_db@localhost 1 of 6
 - Lab_db 1 of 3
 - public
 - tables 10
 - airline
 - airport
 - baggage
 - baggage_check
 - boarding_pass
 - booking
 - booking_flight
 - flights
 - passengers
 - security_check
 - Database Objects
 - Server Objects

What's New in DataGrip

console ×

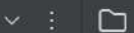
flights

airport

airline

public

boarding_pa ▾



Tx: Auto ▾

Playground ▾

Lab_db.public ▾

1 ✓ ALTER TABLE airline DROP COLUMN info;

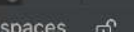
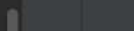
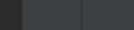
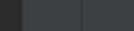
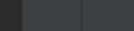
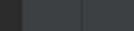
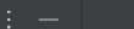
2 ⚠️

Services



- Database
 - Lab_db@localhost
 - airline 393 ms
 - console 37 ms
 - airport 367 ms
 - flights 422 ms

```
)  
[2025-09-23 19:25:35] completed in 3 ms  
[2025-09-23 19:45:29] Lab_db.public> ALTER TABLE airline_info RENAME TO airline  
[2025-09-23 19:45:29] completed in 10 ms  
[2025-09-23 19:51:22] Lab_db.public> ALTER TABLE booking RENAME COLUMN price TO ticket_price  
[2025-09-23 19:51:22] completed in 13 ms  
[2025-09-23 19:52:19] Lab_db.public> ALTER TABLE flights ALTER COLUMN departing_gate TYPE text  
[2025-09-23 19:52:19] completed in 12 ms  
[2025-09-23 19:52:47] Lab_db.public> ALTER TABLE airline DROP COLUMN info  
[2025-09-23 19:52:47] completed in 9 ms
```



L2 Lab work 2 ▾ Version control ▾

What's New in DataGrip console × flights airport airline public boarding_pass

▶ ⌚ Ⓢ ⚙️ 📄 Tx: Auto ▾ Playground ▾ Lab_db.public ▾

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28 ✓
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33 ✓
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```
ALTER TABLE security_check
  ADD CONSTRAINT fk_securitycheck_passenger
    FOREIGN KEY (passenger_id) REFERENCES passengers(passenger_id);

ALTER TABLE booking
  ADD CONSTRAINT fk_booking_passenger
    FOREIGN KEY (passenger_id) REFERENCES passengers(passenger_id);

ALTER TABLE baggage_check
  ADD CONSTRAINT fk_baggagecheck_passenger
    FOREIGN KEY (passenger_id) REFERENCES passengers(passenger_id);

ALTER TABLE baggage_check
  ADD CONSTRAINT fk_baggagecheck_booking
    FOREIGN KEY (booking_id) REFERENCES booking(booking_id);

ALTER TABLE baggage
  ADD CONSTRAINT fk_baggage_booking
    FOREIGN KEY (booking_id) REFERENCES booking(booking_id);

ALTER TABLE boarding_pass
  ADD CONSTRAINT fk_boardingpass_booking
    FOREIGN KEY (booking_id) REFERENCES booking(booking_id);

ALTER TABLE booking_flight
  ADD CONSTRAINT fk_bookingflight_booking
    FOREIGN KEY (booking_id) REFERENCES booking(booking_id);
```

6 ^ ▾

Connected (moments ago)4:20 LF UTF-8 4 spaces



What's New in DataGrip

console ×

flights

airport

airline

public

boarding_pass



Tx: Auto ▾



Playground ▾

Lab_db.public ▾



```
27
28 ✓ ALTER TABLE boarding_pass
29     ADD CONSTRAINT fk_boardingpass_booking
30     FOREIGN KEY (booking_id) REFERENCES booking(booking_id);
31
32
33 ✓ ALTER TABLE booking_flight
34     ADD CONSTRAINT fk_bookingflight_booking
35     FOREIGN KEY (booking_id) REFERENCES booking(booking_id);
36
37
38 ✓ ALTER TABLE booking_flight
39     ADD CONSTRAINT fk_bookingflight_flight
40     FOREIGN KEY (flight_id) REFERENCES flights(flight_id);
41
42
43 ✓ ALTER TABLE flights
44     ADD CONSTRAINT fk_flights_departing_airport
45     FOREIGN KEY (departing_airport_id) REFERENCES airport(airport_id);
46
47
48 ✓ ALTER TABLE flights
49     ADD CONSTRAINT fk_flights_arriving_airport
50     FOREIGN KEY (arriving_airport_id) REFERENCES airport(airport_id);
51
52
53 ✓ ALTER TABLE flights
54     ADD CONSTRAINT fk_flights_airline
55     FOREIGN KEY (airline_id) REFERENCES airline(airline_id);
56
```

6 ^ ▾



security_check console airport baggage_check baggage boarding_pass booking airline public boarding_pass

Tx: Auto Playground Lab_db.public

```
1 INSERT INTO airline (airline_id,airline_code,airline_name, airline_country, created_at, updated_at)
2 VALUES ( airline_id 23, airline_code 12, airline_name 'KazAir', airline_country 'Kazakhstan', created_at now(), updated_at now());
3
```

Services

Tx + - 🔍 ↕ ✕

Database

Lab_db@localhost

- airline 363 ms
- boarding_pass 336 ms
- security_check 401 ms
- console 28 ms
- booking 342 ms
- passengers 431 ms
- baggage_check 333 ms
- airport 369 ms
- flights 399 ms

```
VALUES (23,23,'KazAir', 'Kazakhstan', now(), now())
[2025-09-23 20:12:27] 1 row affected in 7 ms
[2025-09-23 20:12:31] Lab_db.public> INSERT INTO airline (airline_id,airline_code,airline_name, airline_country, cr
VALUES (23,23,'KazAir', 'Kazakhstan', now(), now())
[2025-09-23 20:12:31] [23505] ERROR: duplicate key value violates unique constraint "airline_info_pkey"
[2025-09-23 20:12:31] Подробности: Key (airline_id)=(23) already exists.
[2025-09-23 20:12:38] Lab_db.public> INSERT INTO airline (airline_id,airline_code,airline_name, airline_country, cr
VALUES (23,12,'KazAir', 'Kazakhstan', now(), now())
[2025-09-23 20:12:38] [23505] ERROR: duplicate key value violates unique constraint "airline_info_pkey"
[2025-09-23 20:12:38] Подробности: Key (airline_id)=(23) already exists.
```


s security_check console airport baggage_check baggage boarding_pass booking airline public boarding_pass

Tx: Auto Playground Lab_db.public

```
1 UPDATE airline
2 SET airline_country = 'Turkey'
3 WHERE airline_name = 'KazAir';
4
```

Services

Tx + - 🔍 ↕ ×

Database

Lab_db@localhost

- airline 363 ms
- boarding_pass 336 ms
- security_check 401 ms
- console 41 ms
- booking 342 ms
- passengers 431 ms
- baggage_check 333 ms
- airport 369 ms
- flights 399 ms

```
[2025-09-23 20:12:31] [23505] ERROR: duplicate key value violates unique constraint "airline_info_pkey"
[2025-09-23 20:12:31] Подробности: Key (airline_id)=(23) already exists.
[2025-09-23 20:12:38] Lab_db.public> INSERT INTO airline (airline_id,airline_code,airline_name, airline_country, cr
VALUES (23,12,'KazAir', 'Kazakhstan', now(), now())
[2025-09-23 20:12:38] [23505] ERROR: duplicate key value violates unique constraint "airline_info_pkey"
[2025-09-23 20:12:38] Подробности: Key (airline_id)=(23) already exists.
[2025-09-23 20:14:54] Lab_db.public> UPDATE airline
SET airline_country = 'Turkey'
WHERE airline_name = 'KazAir'
```

```
[2025-09-23 20:14:54] 1 row affected in 11 ms
```

s security_check console × airport baggage_check baggage boarding_pass booking airline public boarding_pass

Tx: Auto Playground Lab_db.public

```
1 ✓ INSERT INTO airline (airline_id,airline_code,airline_name, airline_country, created_at, updated_at)
2   VALUES
3     ( airline_id 24, airline_code 24, airline_name 'AirEasy', airline_country 'France', created_at now(), updated_at now()),
4     ( airline_id 25, airline_code 25, airline_name 'FlyHigh', airline_country 'Brazil', created_at now(), updated_at now()),
5     ( airline_id 26, airline_code 26, airline_name 'FlyFly', airline_country 'Poland', created_at now(), updated_at now());
6
7
```

Services

Tx + 🔍 ↕ ✕

Database

Lab_db@localhost

- airline 398 ms
- boarding_pass 336 ms
- security_check 401 ms
- console 18 ms
- booking 342 ms
- passengers 431 ms
- baggage_check 333 ms
- airport 369 ms
- flights 399 ms

```
(24,25,'FlyHigh', 'Brazil', now(), now()),
(25,26,'FlyFly', 'Poland', now(), now())
[2025-09-23 20:18:06] [23505] ERROR: duplicate key value violates unique constraint "airline_info_pkey"
[2025-09-23 20:18:06] Подробности: Key (airline_id)=(23) already exists.
[2025-09-23 20:18:17] Lab_db.public> INSERT INTO airline (airline_id,airline_code,airline_name, airline_country, cr
VALUES
(24,24,'AirEasy', 'France', now(), now()),
(25,25,'FlyHigh', 'Brazil', now(), now()),
(26,26,'FlyFly', 'Poland', now(), now())
[2025-09-23 20:18:17] 3 rows affected in 4 ms
```



Database Explorer



- Lab_db@localhost 1 of 6
 - Lab_db 1 of 3
 - public
 - tables 10
 - airline
 - airport
 - baggage
 - baggage_check
 - boarding_pass
 - booking
 - booking_flight
 - flights
 - passengers
 - security_check
 - Database Objects
 - Server Objects

flights

passengers

security_check

console ×

airport

baggage_check

bagga ▾



Tx: Auto ▾

Playground ▾

Lab_db.public ▾

```
1 ✓ DELETE FROM flights
2 WHERE sch_arrival_time >= '2024-01-01'
3 AND sch_arrival_time < '2025-01-01';
4
```

Data Source: Lab_db@localhost
Database: Lab_db
Schema: public
Table: flights
Column: sch_arrival_time

```
alter table flights
  add sch_arrival_time timestamp not null;
```

Services

Tx: +, 🔍, 📄, ⏏, ✕

- airline 398 ms
- boarding_pass 336 ms
- security_check 401 ms
- console 35 ms
- booking 342 ms
- passengers 431 ms
- baggage_check 333 ms
- airport 369 ms
- flights 369 ms
- baggage 383 ms

```
[2025-09-23 20:18:17] Lab_db.public> INSERT INTO airline (airline_id,airline_code,airline_name, airline_country, cr
VALUES
```

```
(24,24,'AirEasy', 'France', now(), now()),
(25,25,'FlyHigh', 'Brazil', now(), now()),
(26,26,'FlyFly', 'PoLand', now(), now())
```

```
[2025-09-23 20:18:17] 3 rows affected in 4 ms
```

```
[2025-09-23 20:19:30] Lab_db.public> DELETE FROM flights
WHERE sch_arrival_time >= '2024-01-01'
AND sch_arrival_time < '2025-01-01'
```

```
[2025-09-23 20:19:30] 57 rows affected in 16 ms
```





Database Explorer



- Lab_db@localhost 1 of 6
 - Lab_db 1 of 3
 - public
 - tables 10
 - airline
 - airport
 - baggage
 - baggage_check
 - boarding_pass
 - booking
 - booking_flight
 - flights
 - passengers
 - security_check
 - Database Objects
 - Server Objects

y_check

console ×

airport

baggage_check

baggage

boarding_pass

booking ▾

⋮



Lab_db.public ▾

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```
INSERT INTO booking (booking_id, passenger_id, flight_id, ticket_price, booking_platform, status, created_at, updated_at)
SELECT
  booking_id generate_series(1, 200),
  (floor(random()*200) + 1)::int,
  (floor(random()*200) + 1)::int,
  ticket_price round((20000 + random() * 79999)::numeric, 2),
  booking_platform (ARRAY['Website','MobileApp','Agent'])[floor(random()*3 + 1)],
  status (ARRAY['Confirmed','Cancelled','Pending'])[floor(random()*3 + 1)],
  created_at now(),
  updated_at now();
```

booking_id ▾ ÷ flight_id ▾ ÷ passenger_id ▾ ÷ booking_platform ▾ ÷ created_at ▾

Services

Tx: +, -, *, /, %, ^, ~, &, &, &

- airline 398 ms
- boarding_pass 336 ms
- security_check 401 ms
- console 29 ms
- booking 347 ms
- passengers 431 ms
- baggage_check 333 ms
- airport 369 ms
- flights 369 ms
- baggage 383 ms

Output

Lab_db.information_schema.columns

```
(floor(random()*200) + 1)::int,
(floor(random()*200) + 1)::int,
round((20000 + random() * 79999)::numeric, 2),
(ARRAY['Website','MobileApp','Agent'])[floor(random()*3 + 1)],
(ARRAY['Confirmed','Cancelled','Pending'])[floor(random()*3 + 1)],
now(),
now()
```

[2025-09-23 20:25:56] 200 rows affected in 11 ms



Database Explorer



- Lab_db@localhost 1 of 6
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 - Server Objects

y_check

console ×

airport

baggage_check

baggage

boarding_pass

booking ▾



1 ✓

UPDATE booking



2

SET ticket_price = ticket_price * 1.15

3

WHERE ticket_price * 1.15 <= 99999.99;

×

booking_id ▾ ÷ flight_id ▾ ÷ passenger_id ▾ ÷ booking_platform ▾ ÷ cre



4

Services

Tx: +, 🔍, 📄, ⏏, ✕

- airline 398 ms
- boarding_pass 336 ms
- security_check 401 ms
- console 28 ms
- booking 347 ms
- passengers 431 ms
- baggage_check 333 ms
- airport 369 ms
- flights 369 ms
- baggage 383 ms

Output

Lab_db.information_schema.columns

```
[2025-09-23 20:26:31] Lab_db.public> UPDATE booking
                                SET ticket_price = ticket_price * 1.15
[2025-09-23 20:26:31] [22003] ERROR: numeric field overflow
[2025-09-23 20:26:31] Подробности: A field with precision 7, scale 2 must round to an absolute value less than 10^5
[2025-09-23 20:27:21] Lab_db.public> UPDATE booking
                                SET ticket_price = ticket_price * 1.15
                                WHERE ticket_price * 1.15 <= 99999.99
[2025-09-23 20:27:21] 178 rows affected in 6 ms
```



	flight_id	passenger_id	booking_platform	created_at	updated_at	status	ticket_price
1	32	196	Agent	2025-09-23 15:25:56.244616	2025-09-23 15:25:56.244616	Cancelled	97391.54
2	42	118	Agent	2025-09-23 15:25:56.244616	2025-09-23 15:25:56.244616	Confirmed	95112.28
3	49	187	Agent	2025-09-23 15:25:56.244616	2025-09-23 15:25:56.244616	Cancelled	98151.97
4	67	147	Agent	2025-09-23 15:25:56.244616	2025-09-23 15:25:56.244616	Confirmed	88559.25
5	79	166	Agent	2025-09-23 15:25:56.244616	2025-09-23 15:25:56.244616	Confirmed	97297.57
6	84	87	Website	2025-09-23 15:25:56.244616	2025-09-23 15:25:56.244616	Pending	89140.31
7	96	55	MobileApp	2025-09-23 15:25:56.244616	2025-09-23 15:25:56.244616	Pending	94259.61
8	102	104	Website	2025-09-23 15:25:56.244616	2025-09-23 15:25:56.244616	Cancelled	95965.55
9	108	138	MobileApp	2025-09-23 15:25:56.244616	2025-09-23 15:25:56.244616	Pending	94905.38
10	109	101	Website	2025-09-23 15:25:56.244616	2025-09-23 15:25:56.244616	Cancelled	93567.57
11	110	60	Website	2025-09-23 15:25:56.244616	2025-09-23 15:25:56.244616	Pending	98782.14
12	119	70	Website	2025-09-23 15:25:56.244616	2025-09-23 15:25:56.244616	Confirmed	95567.71
13	133	173	MobileApp	2025-09-23 15:25:56.244616	2025-09-23 15:25:56.244616	Confirmed	94232.11
14	137	127	Agent	2025-09-23 15:25:56.244616	2025-09-23 15:25:56.244616	Pending	96475.78
15	151	38	MobileApp	2025-09-23 15:25:56.244616	2025-09-23 15:25:56.244616	Confirmed	89901.87
16	152	144	MobileApp	2025-09-23 15:25:56.244616	2025-09-23 15:25:56.244616	Confirmed	94542.08
17	160	179	MobileApp	2025-09-23 15:25:56.244616	2025-09-23 15:25:56.244616	Confirmed	87503.65
18	165	30	MobileApp	2025-09-23 15:25:56.244616	2025-09-23 15:25:56.244616	Pending	91694.88
19	169	97	MobileApp	2025-09-23 15:25:56.244616	2025-09-23 15:25:56.244616	Confirmed	97562.57
20	171	150	MobileApp	2025-09-23 15:25:56.244616	2025-09-23 15:25:56.244616	Confirmed	95994.42
21	178	191	Agent	2025-09-23 15:25:56.244616	2025-09-23 15:25:56.244616	Confirmed	95465.66
22	181	29	MobileApp	2025-09-23 15:25:56.244616	2025-09-23 15:25:56.244616	Confirmed	93530.42
23	1	70	Agent	2025-09-23 15:25:56.244616	2025-09-23 15:25:56.244616	Cancelled	59152.24
24	2	111	MobileApp	2025-09-23 15:25:56.244616	2025-09-23 15:25:56.244616	Confirmed	64686.73
25	3	37	Website	2025-09-23 15:25:56.244616	2025-09-23 15:25:56.244616	Cancelled	28705.10
26	4	132	Website	2025-09-23 15:25:56.244616	2025-09-23 15:25:56.244616	Cancelled	25633.28
27	5	108	Website	2025-09-23 15:25:56.244616	2025-09-23 15:25:56.244616	Confirmed	43469.79

200 rows

:

56.244616

:

2025-09-23 15:25:56.244616

:

2025-09-23 15:25:56.244616

:

Cancelled

:

25633.28

:

43469.79

L2 Lab work 2 ▾ Version control ▾

security_check console × airport baggage_check baggage boarding_pass booking airline public boarding_pass

▶ ⌚ ⚙️ 🖨 Tx: Auto ▾ Playground ▾ Lab_db.public ▾

1 ✓ DELETE FROM booking

2 WHERE ticket_price < 70000;

×

booking_id ▾ flight_id ▾ passenger_id ▾ booking_platform ▾ created_at ▾ updated_at ▾ status ▾ ticket

3

Services

Tx + 🔍 📄 ⚙️ ✕

airline 398 ms

boarding_pass 336 ms

security_check 401 ms

console 32 ms

booking 386 ms

passengers 431 ms

baggage_check 333 ms

airport 369 ms

flights 369 ms

baggage 383 ms

Output Lab_db.information_schema.columns

WHERE ticket_price * 1.15 <= 99999.99

[2025-09-23 20:27:21] 178 rows affected in 6 ms

[2025-09-23 20:29:02] Lab_db.public> DELETE FROM booking

WHERE ticket_price < 30000

[2025-09-23 20:29:03] 22 rows affected in 16 ms

[2025-09-23 20:29:20] Lab_db.public> DELETE FROM booking

WHERE ticket_price < 70000

[2025-09-23 20:29:20] 89 rows affected in 15 ms

Connected (31 minutes ago) 2:23 LF UTF-8 4 spaces