

The screenshot shows a database management tool interface. On the left is the 'Database Explorer' pane showing a tree view of the database structure: 'postgres@localhost' (1 of 3) contains 'postgres' (1 of 3), which contains 'public', which contains 'tables' (1), which contains 'airline_info'. Below this are 'Database Objects' and 'Server Objects'. The main area is a SQL console titled 'console' with a tab 'Tx: Auto' and a 'Playground' button. The console shows a SQL statement being executed:
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
The statement is highlighted with a green box. Below the console, there is a 'Services' pane with 'All Services' selected, showing a tree view of 'Database' containing 'postgres@localhost' and 'console' (374 ms). The bottom status bar shows 'Database Consoles > postgres@localhost > console', '9:3', 'CRLF', 'UTF-8', '4 spaces', and the system clock '21:11 30.09.2025'.

Database Explorer

- postgres@localhost 1 of 3
 - postgres 1 of 3
 - public
 - tables 2
 - airline_info
 - airport
 - Database Objects
 - Server Objects

console

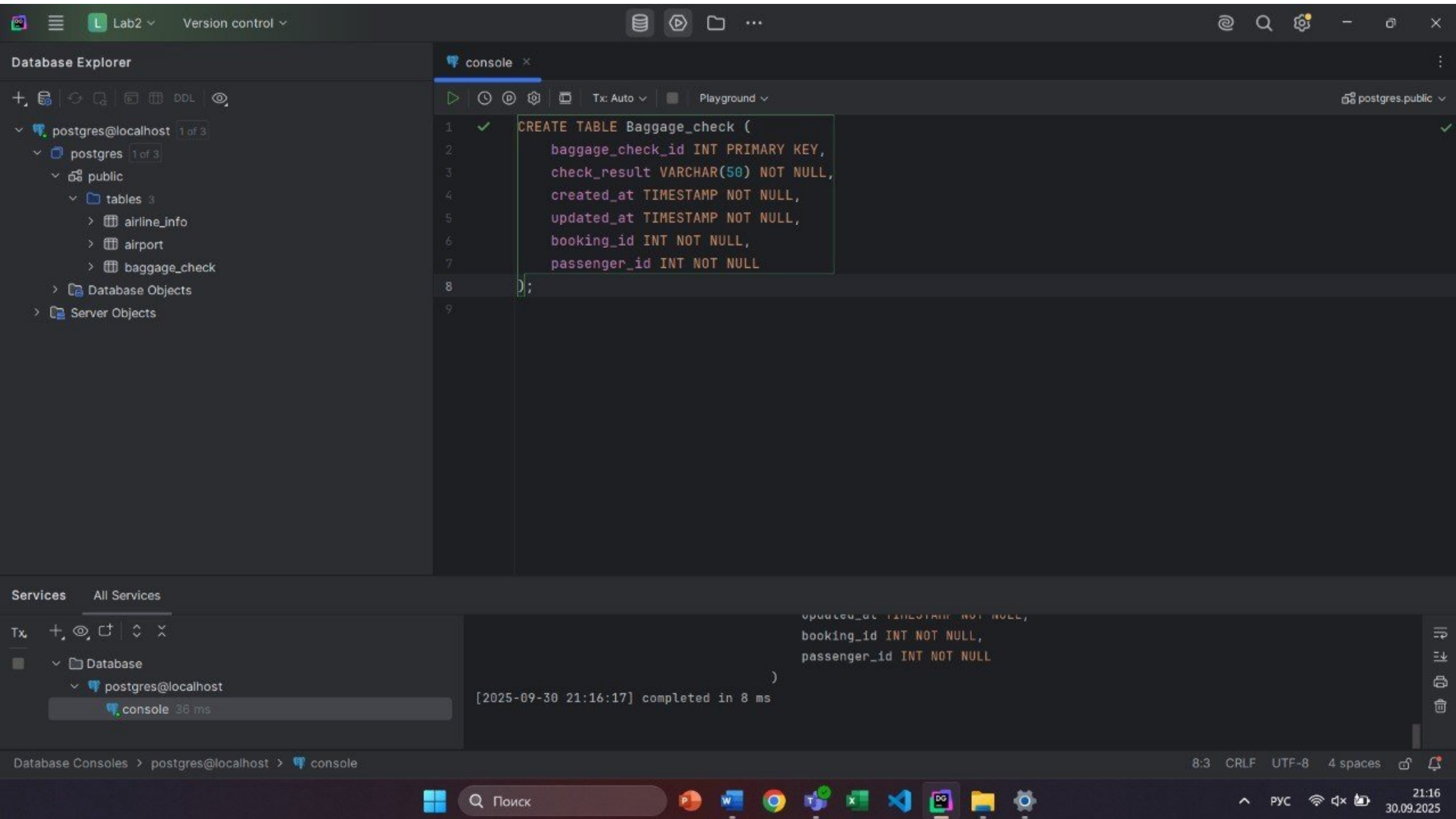
```
1 CREATE TABLE Airport (  
2     airport_id INT PRIMARY KEY,  
3     airport_name VARCHAR(50) NOT NULL,  
4     country VARCHAR(50) NOT NULL,  
5     state VARCHAR(50) NOT NULL,  
6     city VARCHAR(50) NOT NULL,  
7     created_at TIMESTAMP NOT NULL,  
8     updated_at TIMESTAMP NOT NULL  
9 );  
10
```

Services All Services

Tx + -

- Database
 - postgres@localhost
 - console 1 s 856 ms

```
city VARCHAR(50) NOT NULL,  
created_at TIMESTAMP NOT NULL,  
updated_at TIMESTAMP NOT NULL  
)  
[2025-09-30 21:13:43] completed in 15 ms
```



Database Explorer

postgres@localhost 1 of 3

postgres 1 of 3

public

tables 4

airline_info

airport

baggage

baggage_check

Database Objects

Server Objects

console

Tx: Auto

Playground

postgres.public

1

2

3

4

5

6

7

8

CREATE TABLE Baggage (
 baggage_id INT PRIMARY KEY,
 weight_in_kg DECIMAL(4,2) NOT NULL,
 created_at TIMESTAMP NOT NULL,
 updated_at TIMESTAMP NOT NULL,
 booking_id INT NOT NULL
);

Services

All Services

Tx

Database

postgres@localhost

console 93 ms

created_at TIMESTAMP NOT NULL,
updated_at TIMESTAMP NOT NULL,
booking_id INT NOT NULL
)
[2025-09-30 21:17:39] completed in 48 ms

Database Consoles > postgres@localhost > console

7:3 CRLF UTF-8 4 spaces

Поиск

21:17 30.09.2025

Database Explorer

postgres@localhost 1 of 3

postgres 1 of 3

public

tables 5

airline_info

airport

baggage

baggage_check

boarding_pass

Database Objects

Server Objects

console

Tx: Auto Playground

postgres.public

1 ✓ CREATE TABLE Boarding_pass (
2 boarding_pass_id INT PRIMARY KEY,
3 booking_id INT NOT NULL,
4 seat VARCHAR(50) NOT NULL,
5 boarding_time TIMESTAMP NOT NULL,
6 created_at TIMESTAMP NOT NULL,
7 updated_at TIMESTAMP NOT NULL
8);
9

Services All Services

Tx + - + -

Database

postgres@localhost

console 38 ms

Database Consoles > postgres@localhost > console

boarding_time TIMESTAMP NOT NULL,
created_at TIMESTAMP NOT NULL,
updated_at TIMESTAMP NOT NULL
)
[2025-09-30 21:21:13] completed in 8 ms

8:3 CRLF UTF-8 4 spaces

21:21 30.09.2025

Database Explorer

postgres@localhost 1 of 3

postgres 1 of 3

public

tables 6

airline_info

airport

baggage

baggage_check

boarding_pass

booking_flight

Database Objects

Server Objects

console

Tx: Auto

Playground

postgres.public

1

2

3

4

5

6

7

✓

CREATE TABLE Booking_flight (

booking_flight_id INT PRIMARY KEY,

booking_id INT NOT NULL,

flight_id INT NOT NULL,

created_at TIMESTAMP NOT NULL,

updated_at TIMESTAMP NOT NULL

);

Services

All Services

Tx

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Database

postgres@localhost

console 56 ms

Database Consoles

postgres@localhost

console

flight_id INT NOT NULL,

created_at TIMESTAMP NOT NULL,

updated_at TIMESTAMP NOT NULL

)

[2025-09-30 21:23:52] completed in 0 ms

7:3

CRLF

UTF-8

4 spaces

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🕒 21:23

📅 30.09.2025

Database Explorer

postgres@localhost 1 of 3

postgres 1 of 3

public

tables 7

airline_info

airport

baggage

baggage_check

boarding_pass

booking

booking_flight

Database Objects

Server Objects

console x

Tx: Auto Playground

postgres.public

1 CREATE TABLE Booking (
2 booking_id INT PRIMARY KEY,
3 flight_id INT NOT NULL,
4 passenger_id INT NOT NULL,
5 booking_platform VARCHAR(50) NOT NULL,
6 created_at TIMESTAMP NOT NULL,
7 updated_at TIMESTAMP NOT NULL,
8 status VARCHAR(50) NOT NULL,
9 price DECIMAL(7,2) NOT NULL
10);

Services All Services

Tx + -

Database

postgres@localhost

console 32 ms

Database Consoles > postgres@localhost > console

updated_at TIMESTAMP NOT NULL,
status VARCHAR(50) NOT NULL,
price DECIMAL(7,2) NOT NULL
)
[2025-09-30 21:29:06] completed in 5 ms

10:3 CRLF UTF-8 4 spaces

21:29 30.09.2025

The screenshot displays a database management application interface. On the left, the 'Database Explorer' pane shows a tree structure for a PostgreSQL database on localhost. The 'public' schema is expanded, showing a list of tables: 'airline_info', 'airport', 'baggage', 'baggage_check', 'boarding_pass', 'booking', 'booking_flight', and 'flights'. The 'flights' table is highlighted.

The main area is a SQL console titled 'console'. It contains a SQL statement to create a table named 'Flights':

```
1 CREATE TABLE Flights (  
2     flight_id INT PRIMARY KEY,  
3     sch_departure_time TIMESTAMP NOT NULL,  
4     sch_arrival_time TIMESTAMP NOT NULL,  
5     departing_airport_id INT NOT NULL,  
6     arriving_airport_id INT NOT NULL,  
7     departing_gate VARCHAR(50) NOT NULL,  
8     arriving_gate VARCHAR(50) NOT NULL,  
9     airline_id INT NOT NULL,  
10    act_departure_time TIMESTAMP NOT NULL,  
11    act_arrival_time TIMESTAMP NOT NULL,  
12    created_at TIMESTAMP NOT NULL,  
13    updated_at TIMESTAMP NOT NULL  
14 );
```

The console shows a successful execution result: '[2025-09-30 21:34:48] completed in 17 ms'. The bottom status bar indicates the current settings: 'Database Consoles > postgres@localhost > console', '14:3', 'CRLF', 'UTF-8', '4 spaces', and the system time '21:34 30.09.2025'.

Lab2

Version control

Database Explorer

postgres@localhost 1 of 3

postgres 1 of 3

public

tables 9

airline_info

airport

baggage

baggage_check

boarding_pass

booking

booking_flight

flights

passengers

Database Objects

Server Objects

console

Tx: Auto

Playground

postgres.public

1

2

3

4

5

6

7

8

9

10

11

12

✓

CREATE TABLE Passengers (

passenger_id INT PRIMARY KEY,

first_name VARCHAR(50) NOT NULL,

last_name VARCHAR(50) NOT NULL,

date_of_birth DATE NOT NULL,

gender VARCHAR(50) NOT NULL,

country_of_citizenship VARCHAR(50) NOT NULL,

country_of_residence VARCHAR(50) NOT NULL,

passport_number VARCHAR(20) NOT NULL,

created_at TIMESTAMP NOT NULL,

updated_at TIMESTAMP NOT NULL

);

Services

All Services

Tx

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Database

postgres@localhost

console 47 ms

passport_number VARCHAR(20) NOT NULL,

created_at TIMESTAMP NOT NULL,

updated_at TIMESTAMP NOT NULL

)

[2025-09-30 21:39:14] completed in 18 ms

Database Consoles

postgres@localhost

console

12:3

CRLF

UTF-8

4 spaces

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Поиск

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21:39

30.09.2025

Lab2Version control

Database Explorer

postgres@localhost1 of 3

postgres1 of 3

public

tables10

airline_info

airport

baggage

baggage_check

boarding_pass

booking

booking_flight

flights

passengers

security_check

Database Objects

Server Objects

console

Tx: AutoPlayground

postgres.public

1CREATE TABLE Security_check (

2security_check_id INT PRIMARY KEY,

3check_result VARCHAR(20) NOT NULL,

4created_at TIMESTAMP NOT NULL,

5updated_at TIMESTAMP NOT NULL,

6passenger_id INT NOT NULL

7);

created_at TIMESTAMP NOT NULL,

updated_at TIMESTAMP NOT NULL,

passenger_id INT NOT NULL

)

[2025-09-30 21:41:35] completed in 15 ms

ServicesAll Services

Tx

Database

postgres@localhost

console62 ms

Database Consolespostgres@localhostconsole

7:3CRLFUTF-84 spaces

21:4130.09.2025

The screenshot displays the IntelliJ IDEA IDE interface with a dark theme. The top toolbar includes icons for database operations and a menu. The main workspace is divided into three panels:

- Database Explorer (Left):** Shows a connection to 'postgres@localhost'. Under the 'tables' folder, the 'booking' table is expanded, showing its columns: 'booking_id' (integer), 'flight_id' (integer), 'passenger_id' (integer), 'booking_platform' (varchar(50)), 'created_at' (timestamp), 'updated_at' (timestamp), 'status' (varchar(50)), and 'price' (numeric(7,2)).
- SQL Console (Center):** A tab labeled 'console' is active. It contains a single SQL statement: `ALTER TABLE Booking RENAME COLUMN price TO ticket_price;`. The statement is highlighted with a green border, and a green checkmark is visible on the right.
- Services Panel (Bottom Left):** Shows a tree view of services. Under 'Database', the 'postgres@localhost' service is expanded, showing a 'console' with a duration of 47 ms.

The bottom status bar indicates the current file is 'Database Consoles > postgres@localhost > console', with settings for 1:57, CRLF, UTF-8, and 4 spaces.

The screenshot displays the PostgreSQL Database Explorer and Console in a dark-themed IDE. The Database Explorer on the left shows the schema for the 'postgres@localhost' database. The 'booking' table is expanded, showing its columns: 'booking_id' (integer), 'flight_id' (integer), 'passenger_id' (integer), 'booking_platform' (varchar(50)), 'created_at' (timestamp), 'updated_at' (timestamp), 'status' (varchar(50)), and 'ticket_price' (numeric(7,2)). The 'keys' and 'indexes' folders are also visible. The Console on the right shows the execution of the SQL command: `ALTER TABLE Booking RENAME COLUMN price TO ticket_price;`. The command was executed successfully, as indicated by the green checkmark and the message: `[2025-09-30 21:45:20] postgres.public> ALTER TABLE Booking RENAME COLUMN price TO ticket_price`. The console also shows the completion time: `[2025-09-30 21:45:20] completed in 9 ms`. The bottom status bar indicates the current settings: 1:57, CRLF, UTF-8, 4 spaces.

Database Explorer

postgres@localhost

- booking
- booking_flight
- flights
 - columns 12
 - flight_id integer
 - 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
 - keys 1
 - indexes 1
- passengers

console

```
1 ALTER TABLE Flights
2 ALTER COLUMN departing_gate TYPE TEXT;
```

Services

All Services

- Database
 - postgres@localhost
 - console 43 ms

Database > postgres@localhost > postgres > public > tables > flights > columns > departing_gate

2:39 CRLF UTF-8 4 spaces

Поиск

21:46 30.09.2025

Lab2Version control

Database Explorer

postgres@localhost

- booking
- booking_flight
- flights
 - columns 12
 - flight_id integer
 - sch_departure_time timestamp
 - sch_arrival_time timestamp
 - departing_airport_id integer
 - arriving_airport_id integer
 - departing_gate text
 - arriving_gate varchar(50)
 - airline_id integer
 - act_departure_time timestamp
 - act_arrival_time timestamp
 - created_at timestamp
 - updated_at timestamp
 - keys 1
 - indexes 1
- passengers

console

Tx: AutoPlayground

postgres.public

1ALTER TABLE Flights

2ALTER COLUMN departing_gate TYPE TEXT;

ServicesAll Services

Tx+

Database

- postgres@localhost
 - console 86 ms

[2025-09-30 21:45:20] postgres.public> ALTER TABLE booking RENAME COLUMN price TO ticket_price

[2025-09-30 21:45:20] completed in 9 ms

[2025-09-30 21:46:33] postgres.public> ALTER TABLE Flights

ALTER COLUMN departing_gate TYPE TEXT

[2025-09-30 21:46:33] completed in 50 ms

Database > postgres@localhost > postgres > public > tables > flights > columns > departing_gate2:39CRLFUTF-84 spaces21:4630.09.2025

Lab2Version control

Database Explorer

postgres@localhost1 of 3

postgres1 of 3

public

tables10

airline

columns7

airline_idinteger

airline_codevarchar(30)

airline_namevarchar(50)

airline_countryvarchar(50)

created_attimestamp

updated_attimestamp

infovarchar(50)

keys1

indexes1

airport

baggage

baggage_check

boarding_pass

booking

console

1

✓

ALTER TABLE airline DROP COLUMN info;

✓

ServicesAll Services

Tx+

Database

postgres@localhost

console86 ms

Database Consolespostgres@localhostconsole

[2025-09-30 21:45:20] postgres.public> ALTER TABLE booking RENAME COLUMN price TO ticket_price

[2025-09-30 21:45:20] completed in 9 ms

[2025-09-30 21:46:33] postgres.public> ALTER TABLE Flights

ALTER COLUMN departing_gate TYPE TEXT

[2025-09-30 21:46:33] completed in 50 ms

1:38CRLFUTF-84 spaces

21:4730.09.2025

Lab2

Version control

Database Explorer

postgres@localhost 1 of 3

postgres 1 of 3

public

tables 10

airline

columns 6

airline_id integer

airline_code varchar(30)

airline_name varchar(50)

airline_country varchar(50)

created_at timestamp

updated_at timestamp

keys 1

indexes 1

airport

baggage

baggage_check

boarding_pass

booking

booking_flight

console

Tx: Auto

Playground

postgres.public

1 ✓ ALTER TABLE airline DROP COLUMN info;

Services

All Services

Tx

Database

postgres@localhost

console 34 ms

Database Consoles

postgres@localhost

console

[2025-09-30 21:46:33] postgres.public> ALTER TABLE flights

ALTER COLUMN departing_gate TYPE TEXT

[2025-09-30 21:46:33] completed in 50 ms

[2025-09-30 21:47:47] postgres.public> ALTER TABLE airline DROP COLUMN info

[2025-09-30 21:47:47] completed in 6 ms

1:38

CRLF

UTF-8

4 spaces

21:47

30.09.2025



Поиск



The screenshot displays a database management tool interface with a dark theme. On the left, the 'Database Explorer' pane shows a tree view of a PostgreSQL database named 'postgres@localhost'. The 'booking' table is selected. The main area is a SQL editor with a 'console' tab, showing three SQL commands being executed: 1. `ALTER TABLE Security_check`
2. `ADD CONSTRAINT fk_security_passenger`
3. `FOREIGN KEY (passenger_id) REFERENCES Passengers(passenger_id);`
4. `ALTER TABLE Booking`
5. `ADD CONSTRAINT fk_booking_passenger`
6. `FOREIGN KEY (passenger_id) REFERENCES Passengers(passenger_id);`
7. `ALTER TABLE Baggage_check`
8. `ADD CONSTRAINT fk_baggage_check_passenger`
9. `FOREIGN KEY (passenger_id) REFERENCES Passengers(passenger_id);`
10. `DROP CONSTRAINT fk_booking_passenger`
11. `DROP CONSTRAINT fk_baggage_check_passenger`
The bottom pane shows the execution results: [2025-09-30 22:03:32] completed in 3 ms, [2025-09-30 22:03:32] postgres.public> ALTER TABLE Baggage_check, [2025-09-30 22:03:32] completed in 5 ms, and [2025-09-30 22:03:32] completed in 5 ms. The bottom status bar shows '1:1 (381 chars, 10 line breaks) CRLF UTF-8 4 spaces'.

Database Explorer

postgres@localhost

baggage_check

columns 8

keys 1

foreign keys 1

indexes 1

boarding_pass

booking

columns 8

keys 1

foreign keys 1

indexes 1

booking_flight

flights

passengers

security_check

columns 5

keys 1

foreign keys 1

indexes 1

console

Tx: Auto

Playground

postgres.public

1

2

3

4

5

6

7

8

9

10

11

ALTER TABLE Security_check

ADD CONSTRAINT fk_security_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_baggage_check_passenger

FOREIGN KEY (passenger_id) REFERENCES Passengers(passenger_id);

Services

All Services

Tx

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Database

postgres@localhost

console 23 ms

[2025-09-30 22:04:32] completed in 3 ms

[2025-09-30 22:04:32] postgres.public> ALTER TABLE Baggage_check

ADD CONSTRAINT fk_baggage_check_passenger

FOREIGN KEY (passenger_id) REFERENCES Passengers(passenger_id)

[2025-09-30 22:04:32] completed in 6 ms

Database Consoles

postgres@localhost

console

1:1 (381 chars, 10 line breaks)

CRLF

UTF-8

4 spaces

22:04

30.09.2025

Database Explorer

postgres@localhost 1 of 3

postgres 1 of 3

public

tables 10

airline

airport

baggage

columns 5

keys 1

foreign keys 1

indexes 1

baggage_check

columns 6

keys 1

foreign keys 2

fk_baggage_check_booking (booking_id) → booking

fk_baggage_check_passenger (passenger_id) → passenger

indexes 1

boarding_pass

columns 6

console

Tx: Auto Playground

postgres.public

1 ALTER TABLE Baggage_check

2 ADD CONSTRAINT fk_baggage_check_booking

3 FOREIGN KEY (booking_id) REFERENCES Booking(booking_id);

4

5 ALTER TABLE Baggage

6 ADD CONSTRAINT fk_baggage_booking

7 FOREIGN KEY (booking_id) REFERENCES Booking(booking_id);

8

9 ALTER TABLE Boarding_pass

10 ADD CONSTRAINT fk_boarding_booking

11 FOREIGN KEY (booking_id) REFERENCES Booking(booking_id);

12

13 ALTER TABLE Booking_flight

14 ADD CONSTRAINT fk_booking_flight_booking

15 FOREIGN KEY (booking_id) REFERENCES Booking(booking_id);

16

[2025-09-30 22:07:36] completed in 7 ms

[2025-09-30 22:07:36] postgres.public> ALTER TABLE Booking_flight

ADD CONSTRAINT fk_booking_flight_booking

FOREIGN KEY (booking_id) REFERENCES Booking(booking_id)

[2025-09-30 22:07:36] completed in 4 ms

Services All Services

Tx

Database

postgres@localhost

console 25 ms

Database Consoles > postgres@localhost > console

1:1 (479 chars, 14 line breaks) CRLF UTF-8 4 spaces

Поиск

22:07 30.09.2025

Database Explorer

postgres@localhost

> keys 1

> foreign keys 2

- fk_baggage_check_booking (booking_id) → booki
- fk_baggage_check_passenger (passenger_id) →

> indexes 1

> boarding_pass

- > columns 6
- > keys 1
- > foreign keys 1
- > indexes 1

> booking

> booking_flight

- > columns 5
- > keys 1
- > foreign keys 1
- > indexes 1

> flights

> passengers

> security_check

console

Tx: Auto

Playground

postgres.public

1 ✓ ALTER TABLE Baggage_check

2 ADD CONSTRAINT fk_baggage_check_booking

3 FOREIGN KEY (booking_id) REFERENCES Booking(booking_id);

4

5 ✓ ALTER TABLE Baggage

6 ADD CONSTRAINT fk_baggage_booking

7 FOREIGN KEY (booking_id) REFERENCES Booking(booking_id);

8

9 ✓ ALTER TABLE Boarding_pass

10 ADD CONSTRAINT fk_boarding_booking

11 FOREIGN KEY (booking_id) REFERENCES Booking(booking_id);

12

13 ✓ ALTER TABLE Booking_flight

14 ADD CONSTRAINT fk_booking_flight_booking

15 FOREIGN KEY (booking_id) REFERENCES Booking(booking_id);

16

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Services

All Services

Tx

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Database

postgres@localhost

console 25 ms

[2025-09-30 22:07:36] completed in 7 ms

[2025-09-30 22:07:36] postgres.public> ALTER TABLE Booking_flight

ADD CONSTRAINT fk_booking_flight_booking

FOREIGN KEY (booking_id) REFERENCES Booking(booking_id)

[2025-09-30 22:07:36] completed in 4 ms

Database Consoles

postgres@localhost

console

1:1 (479 chars, 14 line breaks)

CRLF

UTF-8

4 spaces

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Поиск

РУС

22:08
30.09.2025

Lab2Version control

Database Explorer

postgres@localhost1 of 3

postgres1 of 3

public

tables10

airline

airport

baggage

baggage_check

boarding_pass

booking

booking_flight

columns5

keys1

foreign keys1

fk_booking_flight_booking(booking_id) → booking

indexes1

flights

passengers

security_check

Database Objects

console

ALTER TABLE Booking_flight

ADD CONSTRAINT fk_booking_flight_flight

FOREIGN KEY (flight_id) REFERENCES Flights(flight_id);

ServicesAll Services

Database

postgres@localhost

console25 ms

Database > postgres@localhost > postgres > public > tables > baggage_check

3:57CRLFUTF-84 spaces

22:1330.09.2025

[2025-07-30 22:07:00] completed in 7 ms

[2025-09-30 22:07:36] postgres.public> ALTER TABLE Booking_flight

ADD CONSTRAINT fk_booking_flight_booking

FOREIGN KEY (booking_id) REFERENCES Booking(booking_id)

[2025-09-30 22:07:36] completed in 4 ms

Database Explorer

postgres@localhost 1 of 3

postgres 1 of 3

public

tables 10

airline

airport

baggage

baggage_check

boarding_pass

booking

booking_flight

columns 5

keys 1

foreign keys 2

fk_booking_flight_booking (booking_id) → booking

fk_booking_flight_flight (flight_id) → flights (flight_id)

indexes 1

flights

passengers

security_check

console

ALTER TABLE Booking_flight

ADD CONSTRAINT fk_booking_flight_flight

FOREIGN KEY (flight_id) REFERENCES Flights(flight_id);

Services

All Services

Database

postgres@localhost

console 66 ms

Database > postgres@localhost > postgres > public > tables > baggage_check

3:57 CRLF UTF-8 4 spaces

22:13 30.09.2025

Database Explorer

postgres@localhost 1 of 3

postgres 1 of 3

public

tables 10

airline

airport

baggage

baggage_check

boarding_pass

booking

booking_flight

flights

columns 12

keys 1

indexes 1

passengers

security_check

Database Objects

Server Objects

console

postgres.public

ALTER TABLE Flights

ADD CONSTRAINT fk_flights_departing_airport

FOREIGN KEY (departing_airport_id) REFERENCES Airport(airport_id);

Services

All Services

Database

postgres@localhost

console 66 ms

Database > postgres@localhost > postgres > public > tables > booking_flight

3:69 CRLF UTF-8 4 spaces

22:13 30.09.2025

Database Explorer

postgres@localhost 1 of 3

postgres 1 of 3

public

tables 10

airline

airport

baggage

baggage_check

boarding_pass

booking

booking_flight

flights

columns 12

keys 1

foreign keys 1

fk_flights_departing_airport (departing_airport_id)

indexes 1

passengers

security_check

Database Objects

console

1 ALTER TABLE Flights

2 ADD CONSTRAINT fk_flights_departing_airport

3 FOREIGN KEY (departing_airport_id) REFERENCES Airport(airport_id);

Services

All Services

Database

postgres@localhost

console 33 ms

Database > postgres@localhost > postgres > public > tables > booking_flight

3:69 CRLF UTF-8 4 spaces

2025-09-30 22:13:59 completed in 47 ms

[2025-09-30 22:13:59] postgres.public> ALTER TABLE Flights

ADD CONSTRAINT fk_flights_departing_airport

FOREIGN KEY (departing_airport_id) REFERENCES Airport(airport_id)

[2025-09-30 22:13:59] completed in 11 ms

Поиск

22:14 30.09.2025

Lab2

Version control

Database Explorer

postgres@localhost 1 of 3

postgres 1 of 3

public

tables 10

airline

airport

baggage

baggage_check

boarding_pass

booking

booking_flight

flights

columns 12

keys 1

foreign keys 2

fk_flights_arriving_airport (arriving_airport_id) → a

fk_flights_departing_airport (departing_airport_id)

indexes 1

passengers

security_check

console

Tx: Auto

Playground

postgres.public

1 ✓ ALTER TABLE Flights

2 ADD CONSTRAINT fk_flights_arriving_airport

3 FOREIGN KEY (arriving_airport_id) REFERENCES Airport(airport_id);

Services

All Services

Tx

Database

postgres@localhost

console 30 ms

Database Consoles

postgres@localhost

console

[2025-09-30 22:14:35] completed in 11 ms

[2025-09-30 22:14:35] postgres.public> ALTER TABLE Flights

ADD CONSTRAINT fk_flights_arriving_airport

FOREIGN KEY (arriving_airport_id) REFERENCES Airport(airport_id)

[2025-09-30 22:14:35] completed in 4 ms

3:68

CRLF

UTF-8

4 spaces

22:14

30.09.2025



Поиск



ENG



Lab2Version control

Database Explorer

postgres@localhost1 of 3

postgres1 of 3

public

tables10

airline

airport

baggage

baggage_check

boarding_pass

booking

booking_flight

flights

columns12

keys1

foreign keys3

fk_flights_airline (airline_id) → airline (airline_id)

fk_flights_arriving_airport (arriving_airport_id) → a

fk_flights_departing_airport (departing_airport_id)

indexes1

passengers

console

Tx: AutoPlayground

postgres.public

1ALTER TABLE Flights

2ADD CONSTRAINT fk_flights_airline

3FOREIGN KEY (airline_id) REFERENCES Airline(airline_id);

ServicesAll Services

Tx

Database

postgres@localhost

console40 ms

[2025-09-30 22:14:05] completed in 4 ms

[2025-09-30 22:17:07] postgres.public> ALTER TABLE Flights

ADD CONSTRAINT fk_flights_airline

FOREIGN KEY (airline_id) REFERENCES Airline(airline_id)

[2025-09-30 22:17:07] completed in 9 ms

Database > postgres@localhost > postgres > public > tables > booking_flight3:59CRLFUTF-84 spaces22:1730.09.2025

Lab2

Version control

Database Explorer

postgres@localhost 1 of 3

postgres 1 of 3

public

tables 10

airline

airport

columns 7

airport_id integer

airport_name varchar(50)

country varchar(50)

state varchar(50)

city varchar(50)

created_at timestamp

updated_at timestamp

keys 1

indexes 1

baggage

baggage_check

boarding_pass

booking

console x airport

Tx: Auto Playground

postgres.public

1 ✓

2

3

4

5

6

7

8

9

10

INSERT INTO Airport (airport_id, airport_name, country, state, city, created_at, updated_at)

SELECT

g AS airport_id,

'Airport_' || g AS airport_name,

country 'Country_' || (trunc(random() * 50) + 1)::int,

state 'State_' || (trunc(random() * 100) + 1)::int,

city 'City_' || (trunc(random() * 200) + 1)::int,

created_at NOW(),

updated_at NOW()

FROM generate_series(1, 200) g;

✓

Services All Services

Tx

Database

postgres@localhost

console 124 ms

airport 619 ms

Database Consoles > postgres@localhost > console

10:32 CRLF UTF-8 4 spaces

22:36 30.09.2025

Поиск

P W Chrome T X VS Code

Settings Folder

ENG

22:36 30.09.2025

Lab2Version control

consoleairport

Tx: AutoDDL

CSV

	airport_id	airport_name	country	state	city	created_at	updated_at
1	1	Airport_1	Country_42	State_4	City_109	2025-09-30 17:35:58.755514	2025-09-30 17:35:58.755514
2	2	Airport_2	Country_35	State_43	City_85	2025-09-30 17:35:58.755514	2025-09-30 17:35:58.755514
3	3	Airport_3	Country_2	State_80	City_135	2025-09-30 17:35:58.755514	2025-09-30 17:35:58.755514
4	4	Airport_4	Country_34	State_27	City_11	2025-09-30 17:35:58.755514	2025-09-30 17:35:58.755514
5	5	Airport_5	Country_16	State_64	City_135	2025-09-30 17:35:58.755514	2025-09-30 17:35:58.755514
6	6	Airport_6	Country_22	State_61	City_49	2025-09-30 17:35:58.755514	2025-09-30 17:35:58.755514
7	7	Airport_7	Country_34	State_50	City_63	2025-09-30 17:35:58.755514	2025-09-30 17:35:58.755514
8	8	Airport_8	Country_33	State_88	City_167	2025-09-30 17:35:58.755514	2025-09-30 17:35:58.755514
9	9	Airport_9	Country_50	State_47	City_121	2025-09-30 17:35:58.755514	2025-09-30 17:35:58.755514
10	10	Airport_10	Country_11	State_24	City_81	2025-09-30 17:35:58.755514	2025-09-30 17:35:58.755514
11	11	Airport_11	Country_47	State_59	City_138	2025-09-30 17:35:58.755514	2025-09-30 17:35:58.755514
12	12	Airport_12	Country_37	State_53	City_121	2025-09-30 17:35:58.755514	2025-09-30 17:35:58.755514
13	13	Airport_13	Country_30	State_41	City_82	2025-09-30 17:35:58.755514	2025-09-30 17:35:58.755514
14	14	Airport_14	Country_47	State_19	City_160	2025-09-30 17:35:58.755514	2025-09-30 17:35:58.755514
15	15	Airport_15	Country_46	State_69	City_182	2025-09-30 17:35:58.755514	2025-09-30 17:35:58.755514
16	16	Airport_16	Country_21	State_29	City_146	2025-09-30 17:35:58.755514	2025-09-30 17:35:58.755514
17	17	Airport_17	Country_33	State_100	City_62	2025-09-30 17:35:58.755514	2025-09-30 17:35:58.755514
18	18	Airport_18	Country_10	State_86	City_41	2025-09-30 17:35:58.755514	2025-09-30 17:35:58.755514
19	19	Airport_19	Country_6	State_88	City_164	2025-09-30 17:35:58.755514	2025-09-30 17:35:58.755514
20	20	Airport_20	Country_21	State_58	City_81	2025-09-30 17:35:58.755514	2025-09-30 17:35:58.755514
21	21	Airport_21	Country_1	State_37	City_102	2025-09-30 17:35:58.755514	2025-09-30 17:35:58.755514
22	22	Airport_22	Country_50	State_82	City_109	2025-09-30 17:35:58.755514	2025-09-30 17:35:58.755514
23	23	Airport_23	Country_38	State_21	City_92	2025-09-30 17:35:58.755514	2025-09-30 17:35:58.755514

Database > postgres@localhost > postgres > public > tables > airportSUM: 0 1:2

Поиск

22:3630.09.2025

The screenshot displays a PostgreSQL database management interface. On the left, the 'Database Explorer' pane shows the database structure for 'postgres@localhost'. The 'public' schema is expanded, showing a list of tables including 'airline', 'airport', 'baggage', 'baggage_check', 'boarding_pass', 'booking', 'booking_flight', 'flights', 'passengers', and 'security_check'. The 'airline' table is selected.

The main editor area shows a SQL query being executed in the 'console' tab. The query is:

```
INSERT INTO Airline (airline_id, airline_code, airline_name, airline_country, created_at, updated_at)
VALUES ( airline_id 1, airline_code 'KZ001', airline_name 'KazAir', airline_country 'Kazakhstan', created_at NOW(), updated_at NOW());
```

The query is executed successfully, as indicated by the green checkmark and the message: '[2025-09-30 22:47:59] 1 row affected in 10 ms'. The console also shows the command prompt 'postgres.public>' and the execution time '16 ms'.

The bottom status bar shows the current session is 'postgres@localhost' in the 'console' tab, with a timestamp of '22:48' and '30.09.2025'.

The image shows a web-based database client interface. At the top, there's a header bar with a logo, a menu icon, and tabs for 'Lab2' and 'Version control'. Below this is a toolbar with various icons for database operations. The main area displays a table named 'airline' with the following columns: 'airline_id', 'airline_code', 'airline_name', 'airline_country', 'created_at', and 'updated_at'. A single row of data is visible, representing 'KazAir' from 'Kazakhstan' with a timestamp of '2025-09-30 17:48:36.754084'. The bottom status bar shows the database path 'Database > postgres@localhost > postgres > public > tables > airline' and a '1 row' indicator. The Windows taskbar at the very bottom shows the time as 22:49 on 30.09.2025.

Lab2Version control

Database Explorer

postgres@localhost1 of 3

postgres1 of 3

public

tables10

airline

columns6

keys1

indexes1

airport

baggage

baggage_check

boarding_pass

booking

booking_flight

flights

passengers

security_check

Database Objects

Server Objects

consoleairline

Tx: AutoPlayground

postgres.public

1UPDATE airline

2SET airline_country = 'Turkey'

3WHERE airline_name = 'KazAir'

ServicesAll Services

Tx

Database

postgres@localhost

console36 ms

airline501 ms

[2025-09-30 22:57:21] postgres.public> UPDATE airline

SET airline_country = 'Turkey'

WHERE airline_name = 'KazAir'

[2025-09-30 22:57:21] 1 row affected in 10 ms

Database Consoles > postgres@localhost > console

3:30CRLFUTF-84 spaces22:5730.09.2025

Lab2Version control

consoleairline

Tx: AutoDDL

CSV

WHEREORDER BY

	airline_id	airline_code	airline_name	airline_country	created_at	updated_at
1	1	KZ001	KazAir	Turkey	2025-09-30 17:48:36.754084	2025-09-30 17:48:36.754084

1 row

Database > postgres@localhost > postgres > public > tables > airline

Поиск

ENG

22:5730.09.2025

Database > postgres@localhost > postgres > public > tables > airline SUM: Not enough values
 Поиск ^ РУС 23:06
30.09.2025

Lab2 ▾Version control ▾

console ×flights

Tx: Auto ▾Playground ▾

postgres.public ▾

1✓

INSERT INTO Flights (
flight_id, sch_departure_time, sch_arrival_time,
3 departing_airport_id, arriving_airport_id,
4 departing_gate, arriving_gate, airline_id,
5 act_departure_time, act_arrival_time,
6 created_at, updated_at
7)
8 VALUES
9 (
10 flight_id 1, sch_departure_time '2023-12-31 10:00', sch_arrival_time '2024-01-01 12:00', departing_airport_id 1, arriving_airport_id 2, departing_gate 'A1', arriving_gate 'B1', airline_id 1, act_departure_time '2023-12-31 10:05', act_arrival_time '2024-01-01 12:05', created_at NOW(), updated_at NOW()),
11 (
12 flight_id 2, sch_departure_time '2023-12-31 11:00', sch_arrival_time '2024-02-01 13:00', departing_airport_id 2, arriving_airport_id 3, departing_gate 'A2', arriving_gate 'B2', airline_id 1, act_departure_time '2023-12-31 11:05', act_arrival_time '2024-02-01 13:05', created_at NOW(), updated_at NOW()),
13 (
14 flight_id 3, sch_departure_time '2023-12-31 12:00', sch_arrival_time '2024-03-01 14:00', departing_airport_id 3, arriving_airport_id 4, departing_gate 'A3', arriving_gate 'B3', airline_id 2, act_departure_time '2023-12-31 12:05', act_arrival_time '2024-03-01 14:05', created_at NOW(), updated_at NOW()),
15 (
16 flight_id 4, sch_departure_time '2023-12-31 13:00', sch_arrival_time '2024-04-01 15:00', departing_airport_id 4, arriving_airport_id 5, departing_gate 'A4', arriving_gate 'B4', airline_id 2, act_departure_time '2023-12-31 13:05', act_arrival_time '2024-04-01 15:05', created_at NOW(), updated_at NOW()),
17 (
18 flight_id 5, sch_departure_time '2023-12-31 14:00', sch_arrival_time '2024-05-01 16:00', departing_airport_id 5, arriving_airport_id 6, departing_gate 'A5', arriving_gate 'B5', airline_id 3, act_departure_time '2023-12-31 14:05', act_arrival_time '2024-05-01 16:05', created_at NOW(), updated_at NOW()),
19 (
20 flight_id 6, sch_departure_time '2024-12-31 10:00', sch_arrival_time '2025-01-01 12:00', departing_airport_id 6, arriving_airport_id 7, departing_gate 'A6', arriving_gate 'B6', airline_id 5, act_departure_time '2024-12-31 10:05', act_arrival_time '2025-01-01 12:05', created_at NOW(), updated_at NOW()),
21 (
22 flight_id 7, sch_departure_time '2024-12-31 11:00', sch_arrival_time '2025-02-01 13:00', departing_airport_id 7, arriving_airport_id 8, departing_gate 'A7', arriving_gate 'B7', airline_id 4, act_departure_time '2024-12-31 11:05', act_arrival_time '2025-02-01 13:05', created_at NOW(), updated_at NOW()),
23 (
24 flight_id 8, sch_departure_time '2024-12-31 12:00', sch_arrival_time '2025-03-01 14:00', departing_airport_id 8, arriving_airport_id 9, departing_gate 'A8', arriving_gate 'B8', airline_id 4, act_departure_time '2024-12-31 12:05', act_arrival_time '2025-03-01 14:05', created_at NOW(), updated_at NOW()),
25 (
26 flight_id 9, sch_departure_time '2024-12-31 13:00', sch_arrival_time '2025-04-01 15:00', departing_airport_id 9, arriving_airport_id 10, departing_gate 'A9', arriving_gate 'B9', airline_id 1, act_departure_time '2024-12-31 13:05', act_arrival_time '2025-04-01 15:05', created_at NOW(), updated_at NOW()),
27 (
28 flight_id 10, sch_departure_time '2024-12-31 14:00', sch_arrival_time '2025-05-01 16:00', departing_airport_id 10, arriving_airport_id 11, departing_gate 'A10', arriving_gate 'B10', airline_id 2, act_departure_time '2024-12-31 14:05', act_arrival_time '2025-05-01 16:05', created_at NOW(), updated_at NOW());
29 ;

Database Consoles > postgres@localhost > console

19:2CRLFUTF-84 spaces

23:19
30.09.2025

The screenshot displays a PostgreSQL database interface. At the top, there's a header bar with 'Lab2' and 'Version control'. Below it, a toolbar contains various icons for database operations. The main area shows a table named 'flights' with 10 rows. The table has columns: flight_id, sch_departure_time, sch_arrival_time, departing_airport_id, arriving_airport_id, departing_gate, and arriving_gate. The data is as follows:

flight_id	sch_departure_time	sch_arrival_time	departing_airport_id	arriving_airport_id	departing_gate	arriving_gate
1	2023-12-31 10:00:00.000000	2024-01-01 12:00:00.000000	1	2	A1	B1
2	2023-12-31 11:00:00.000000	2024-02-01 13:00:00.000000	2	3	A2	B2
3	2023-12-31 12:00:00.000000	2024-03-01 14:00:00.000000	3	4	A3	B3
4	2023-12-31 13:00:00.000000	2024-04-01 15:00:00.000000	4	5	A4	B4
5	2023-12-31 14:00:00.000000	2024-05-01 16:00:00.000000	5	6	A5	B5
6	2024-12-31 10:00:00.000000	2025-01-01 12:00:00.000000	6	7	A6	B6
7	2024-12-31 11:00:00.000000	2025-02-01 13:00:00.000000	7	8	A7	B7
8	2024-12-31 12:00:00.000000	2025-03-01 14:00:00.000000	8	9	A8	B8
9	2024-12-31 13:00:00.000000	2025-04-01 15:00:00.000000	9	10	A9	B9
10	2024-12-31 14:00:00.000000	2025-05-01 16:00:00.000000	10	11	A10	B10

The bottom status bar shows the database path: 'Database > postgres@localhost > postgres > public > tables > flights'. The system time is 23:19 on 30.09.2025.

Lab2Version control

consoleflights

Tx: AutoDDL

CSV

WHEREORDER BY

		departing_gate	arriving_gate	airline_id	act_departure_time	act_arrival_time	created_at	updated_at
1	2	A1	B1	1	2023-12-31 10:05:00.000000	2024-01-01 12:05:00.000000	2025-09-30 18:18:52.364743	2025-09-30 18:18:52.364743
2	3	A2	B2	1	2023-12-31 11:05:00.000000	2024-02-01 13:05:00.000000	2025-09-30 18:18:52.364743	2025-09-30 18:18:52.364743
3	4	A3	B3	2	2023-12-31 12:05:00.000000	2024-03-01 14:05:00.000000	2025-09-30 18:18:52.364743	2025-09-30 18:18:52.364743
4	5	A4	B4	2	2023-12-31 13:05:00.000000	2024-04-01 15:05:00.000000	2025-09-30 18:18:52.364743	2025-09-30 18:18:52.364743
5	6	A5	B5	3	2023-12-31 14:05:00.000000	2024-05-01 16:05:00.000000	2025-09-30 18:18:52.364743	2025-09-30 18:18:52.364743
6	7	A6	B6	3	2024-12-31 10:05:00.000000	2025-01-01 12:05:00.000000	2025-09-30 18:18:52.364743	2025-09-30 18:18:52.364743
7	8	A7	B7	4	2024-12-31 11:05:00.000000	2025-02-01 13:05:00.000000	2025-09-30 18:18:52.364743	2025-09-30 18:18:52.364743
8	9	A8	B8	4	2024-12-31 12:05:00.000000	2025-03-01 14:05:00.000000	2025-09-30 18:18:52.364743	2025-09-30 18:18:52.364743
9	10	A9	B9	1	2024-12-31 13:05:00.000000	2025-04-01 15:05:00.000000	2025-09-30 18:18:52.364743	2025-09-30 18:18:52.364743
10	11	A10	B10	2	2024-12-31 14:05:00.000000	2025-05-01 16:05:00.000000	2025-09-30 18:18:52.364743	2025-09-30 18:18:52.364743

10 rows

Database > postgres@localhost > postgres > public > tables > flights

SUM: 33:4

23:2030.09.2025

Lab2Version control

Database Explorer

postgres@localhost1 of 3

postgres1 of 3

public

tables10

airline

airport

baggage

baggage_check

boarding_pass

booking

booking_flight

flights

columns12

keys1

foreign keys3

indexes1

passengers

security_check

Database Objects

Server Objects

console × flights

Tx: AutoPlayground

postgres.public

1 ✓DELETE FROM Flights

2WHERE EXTRACT(YEAR FROM sch_arrival_time) = 2024;

3

ServicesAll Services

Tx

Database

postgres@localhost

console363 ms

flights558 ms

[2025-09-30 23:18:52] 10 rows affected in 33 ms

[2025-09-30 23:21:23] postgres.public> DELETE FROM Flights

WHERE EXTRACT(YEAR FROM sch_arrival_time) = 2024

[2025-09-30 23:21:24] 5 rows affected in 332 ms

Database Consolespostgres@localhostconsole

3:1CRLFUTF-84 spaces

23:2130.09.2025

Lab2Version control

console

flights

Tx: AutoDDL

CSV

Download

Refresh

Fullscreen

Settings

		departing_gate	arriving_gate	airline_id	act_departure_time	act_arrival_time	created_at	updated_at
1	7	A6	B6	3	2024-12-31 10:05:00.000000	2025-01-01 12:05:00.000000	2025-09-30 18:18:52.364743	2025-09-30 18:18:52.364743
2	8	A7	B7	4	2024-12-31 11:05:00.000000	2025-02-01 13:05:00.000000	2025-09-30 18:18:52.364743	2025-09-30 18:18:52.364743
3	9	A8	B8	4	2024-12-31 12:05:00.000000	2025-03-01 14:05:00.000000	2025-09-30 18:18:52.364743	2025-09-30 18:18:52.364743
4	10	A9	B9	1	2024-12-31 13:05:00.000000	2025-04-01 15:05:00.000000	2025-09-30 18:18:52.364743	2025-09-30 18:18:52.364743
5	11	A10	B10	2	2024-12-31 14:05:00.000000	2025-05-01 16:05:00.000000	2025-09-30 18:18:52.364743	2025-09-30 18:18:52.364743

5 rows

Database > postgres@localhost > postgres > public > tables > flightsSUM: 3 3:4

Поиск

23:2130.09.2025

Lab2

Version control

Database Explorer

postgres@localhost

- baggage_check
- boarding_pass
- booking
- booking_flight
- flights
- passengers
 - columns 10
 - passenger_id integer
 - 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
 - keys 1
 - indexes 1

console passengers booking

Tx: Auto

Playground

postgres.public

```
1 INSERT INTO Passengers (passenger_id, first_name, last_name, date_of_birth, gender, country_of_citizenship, country_of_residence, passport_number, created_at, updated_at)
2 VALUES
3 (passenger_id 1, first_name 'Ivan', last_name 'Ivanov', date_of_birth '1990-01-01', gender 'Male', country_of_citizenship 'Kazakhstan', country_of_residence 'Kazakhstan', passport_number 'P123456', created_at NOW(), updated_at NOW()),
4 (passenger_id 2, first_name 'Anna', last_name 'Petrova', date_of_birth '1992-02-02', gender 'Female', country_of_citizenship 'Kazakhstan', country_of_residence 'Kazakhstan', passport_number 'P223456', created_at NOW(), updated_at NOW()),
5 (passenger_id 3, first_name 'John', last_name 'Smith', date_of_birth '1988-03-03', gender 'Male', country_of_citizenship 'USA', country_of_residence 'USA', passport_number 'P323456', created_at NOW(), updated_at NOW()),
6 (passenger_id 4, first_name 'Maria', last_name 'Garcia', date_of_birth '1995-04-04', gender 'Female', country_of_citizenship 'Spain', country_of_residence 'Spain', passport_number 'P423456', created_at NOW(), updated_at NOW()),
7 (passenger_id 5, first_name 'Chen', last_name 'Wei', date_of_birth '1991-05-05', gender 'Male', country_of_citizenship 'China', country_of_residence 'China', passport_number 'P523456', created_at NOW(), updated_at NOW()),
8 (passenger_id 6, first_name 'Olga', last_name 'Sidorova', date_of_birth '1993-06-06', gender 'Female', country_of_citizenship 'Russia', country_of_residence 'Russia', passport_number 'P623456', created_at NOW(), updated_at NOW()),
9 (passenger_id 7, first_name 'James', last_name 'Brown', date_of_birth '1987-07-07', gender 'Male', country_of_citizenship 'UK', country_of_residence 'UK', passport_number 'P723456', created_at NOW(), updated_at NOW()),
10 (passenger_id 8, first_name 'Sakura', last_name 'Tanaka', date_of_birth '1994-08-08', gender 'Female', country_of_citizenship 'Japan', country_of_residence 'Japan', passport_number 'P823456', created_at NOW(), updated_at NOW()),
11 (passenger_id 9, first_name 'Ali', last_name 'Karimov', date_of_birth '1996-09-09', gender 'Male', country_of_citizenship 'Uzbekistan', country_of_residence 'Uzbekistan', passport_number 'P923456', created_at NOW(), updated_at NOW()),
12 (passenger_id 10, first_name 'Laura', last_name 'Muller', date_of_birth '1990-10-10', gender 'Female', country_of_citizenship 'Germany', country_of_residence 'Germany', passport_number 'P1023456', created_at NOW(), updated_at NOW())
13
```

Services

All Services

Tx

Database

- postgres@localhost
 - console 38 ms
 - passengers 520 ms
 - booking 477 ms

Database Consoles > postgres@localhost > console

13:1

CRLF

UTF-8

4 spaces

23:30

30.09.2025

Lab2Version control

consolepassengersbooking

Tx: AutoDDL

CSV

WHEREORDER BY

	passenger_id	first_name	last_name	date_of_birth	gender	country_of_citizenship	country_of_residence	passport_number
1	1	Ivan	Ivanov	1990-01-01	Male	Kazakhstan	Kazakhstan	P123456
2	2	Anna	Petrova	1992-02-02	Female	Kazakhstan	Kazakhstan	P223456
3	3	John	Smith	1988-03-03	Male	USA	USA	P323456
4	4	Maria	Garcia	1995-04-04	Female	Spain	Spain	P423456
5	5	Chen	Wei	1991-05-05	Male	China	China	P523456
6	6	Olga	Sidorova	1993-06-06	Female	Russia	Russia	P623456
7	7	James	Brown	1987-07-07	Male	UK	UK	P723456
8	8	Sakura	Tanaka	1994-08-08	Female	Japan	Japan	P823456
9	9	Ali	Karimov	1996-09-09	Male	Uzbekistan	Uzbekistan	P923456
10	10	Laura	Muller	1990-10-10	Female	Germany	Germany	P1023456

10 rows

Database > postgres@localhost > postgres > public > tables > passengers

Поиск

23:3030.09.2025

Lab2Version control

Database Explorer

postgres@localhost

- airline
- airport
- baggage
- baggage_check
- boarding_pass
- booking
- booking_flight
- flights
- passengers
 - columns 10
 - passenger_id integer
 - 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

consolepassengersbooking

TX: AutoPlayground

postgres.public

```
1 ✓ INSERT INTO Booking (  
2     booking_id, flight_id, passenger_id,  
3     booking_platform, created_at, updated_at,  
4     status, ticket_price  
5 )  
6 VALUES  
7     ( booking_id 1, flight_id 1, passenger_id 1, booking_platform 'Web', created_at NOW(), updated_at NOW(), status 'Confirmed', ticket_price 8000.00),  
8     ( booking_id 2, flight_id 2, passenger_id 2, booking_platform 'MobileApp', created_at NOW(), updated_at NOW(), status 'Confirmed', ticket_price 12000.00),  
9     ( booking_id 3, flight_id 3, passenger_id 3, booking_platform 'Web', created_at NOW(), updated_at NOW(), status 'Cancelled', ticket_price 9500.00),  
10    ( booking_id 4, flight_id 4, passenger_id 4, booking_platform 'Web', created_at NOW(), updated_at NOW(), status 'Confirmed', ticket_price 15000.00),  
11    ( booking_id 5, flight_id 5, passenger_id 5, booking_platform 'Agency', created_at NOW(), updated_at NOW(), status 'Pending', ticket_price 7000.00),  
12    ( booking_id 6, flight_id 6, passenger_id 6, booking_platform 'MobileApp', created_at NOW(), updated_at NOW(), status 'Confirmed', ticket_price 11000.00),  
13    ( booking_id 7, flight_id 7, passenger_id 7, booking_platform 'Web', created_at NOW(), updated_at NOW(), status 'Confirmed', ticket_price 13000.00),  
14    ( booking_id 8, flight_id 8, passenger_id 8, booking_platform 'Agency', created_at NOW(), updated_at NOW(), status 'Cancelled', ticket_price 5000.00),  
15    ( booking_id 9, flight_id 9, passenger_id 9, booking_platform 'Web', created_at NOW(), updated_at NOW(), status 'Confirmed', ticket_price 20000.00),  
16    ( booking_id 10, flight_id 10, passenger_id 10, booking_platform 'MobileApp', created_at NOW(), updated_at NOW(), status 'Pending', ticket_price 9800.00);  
17
```

```
(8, 8, 8, 'Agency', NOW(), NOW(), 'Cancelled', 5000.00),  
(9, 9, 9, 'Web', NOW(), NOW(), 'Confirmed', 20000.00),  
(10, 10, 10, 'MobileApp', NOW(), NOW(), 'Pending', 9800.00)
```

[2025-09-30 23:31:36] 10 rows affected in 51 ms

ServicesAll Services

TX

- Database
 - postgres@localhost
 - console 76 ms
 - passengers 432 ms
 - booking 477 ms

Database Consoles > postgres@localhost > console

17:1CRLFUTF-84 spaces23:3130.09.2025

Lab2Version control

consolebooking

Tx: AutoDDL

CSV

Download

Refresh

Filter

Settings

WHERE

ORDER BY

	booking_id	flight_id	passenger_id	booking_platform	created_at	updated_at	status	ticket_price
1	1	1	1	Web	2025-09-30 18:31:36.587428	2025-09-30 18:31:36.587428	Confirmed	8000.00
2	2	2	2	MobileApp	2025-09-30 18:31:36.587428	2025-09-30 18:31:36.587428	Confirmed	12000.00
3	3	3	3	Web	2025-09-30 18:31:36.587428	2025-09-30 18:31:36.587428	Cancelled	9500.00
4	4	4	4	Web	2025-09-30 18:31:36.587428	2025-09-30 18:31:36.587428	Confirmed	15000.00
5	5	5	5	Agency	2025-09-30 18:31:36.587428	2025-09-30 18:31:36.587428	Pending	7000.00
6	6	6	6	MobileApp	2025-09-30 18:31:36.587428	2025-09-30 18:31:36.587428	Confirmed	11000.00
7	7	7	7	Web	2025-09-30 18:31:36.587428	2025-09-30 18:31:36.587428	Confirmed	13000.00
8	8	8	8	Agency	2025-09-30 18:31:36.587428	2025-09-30 18:31:36.587428	Cancelled	5000.00
9	9	9	9	Web	2025-09-30 18:31:36.587428	2025-09-30 18:31:36.587428	Confirmed	20000.00
10	10	10	10	MobileApp	2025-09-30 18:31:36.587428	2025-09-30 18:31:36.587428	Pending	9800.00

10 rows

Database > postgres@localhost > postgres > public > tables > bookingSUM: Not enough values

Windows Taskbar

23:33 30.09.2025

Lab2

Version control

Database Explorer

postgres@localhost

postgres

public

tables

airline

airport

baggage

baggage_check

boarding_pass

booking

columns

booking_id integer

flight_id integer

passenger_id integer

booking_platform varchar(50)

created_at timestamp

updated_at timestamp

status varchar(50)

ticket_price numeric(7,2)

keys

console

booking

postgres.public

UPDATE Booking

SET ticket_price = ticket_price * 1.15;

Services

All Services

Database

postgres@localhost

console 65 ms

booking 372 ms

[2025-09-30 23:34:02] Unsafe query: 'Update' statement without 'where' updates all table rows at once

[2025-09-30 23:35:57] postgres.public> UPDATE Booking

SET ticket_price = ticket_price * 1.15

[2025-09-30 23:35:57] 10 rows affected in 52 ms

Database Consoles > postgres@localhost > console

Поиск

23:36 30.09.2025

Lab2Version control

consolebooking

Tx: AutoDDL

CSV

Download

Refresh

Filter

Settings

WHERE

ORDER BY

	booking_id	flight_id	passenger_id	booking_platform	created_at	updated_at	status	ticket_price
1	1	1	1	Web	2025-09-30 18:31:36.587428	2025-09-30 18:31:36.587428	Confirmed	9200.00
2	2	2	2	MobileApp	2025-09-30 18:31:36.587428	2025-09-30 18:31:36.587428	Confirmed	13800.00
3	3	3	3	Web	2025-09-30 18:31:36.587428	2025-09-30 18:31:36.587428	Cancelled	10925.00
4	4	4	4	Web	2025-09-30 18:31:36.587428	2025-09-30 18:31:36.587428	Confirmed	17250.00
5	5	5	5	Agency	2025-09-30 18:31:36.587428	2025-09-30 18:31:36.587428	Pending	8050.00
6	6	6	6	MobileApp	2025-09-30 18:31:36.587428	2025-09-30 18:31:36.587428	Confirmed	12650.00
7	7	7	7	Web	2025-09-30 18:31:36.587428	2025-09-30 18:31:36.587428	Confirmed	14950.00
8	8	8	8	Agency	2025-09-30 18:31:36.587428	2025-09-30 18:31:36.587428	Cancelled	5750.00
9	9	9	9	Web	2025-09-30 18:31:36.587428	2025-09-30 18:31:36.587428	Confirmed	23000.00
10	10	10	10	MobileApp	2025-09-30 18:31:36.587428	2025-09-30 18:31:36.587428	Pending	11270.00

10 rows

Database > postgres@localhost > postgres > public > tables > booking

SUM: Not enough values

Windows Taskbar

23:36 30.09.2025

Lab2

Version control

Database Explorer

postgres@localhost 1 of 3

postgres 1 of 3

public

tables 10

airline

airport

baggage

baggage_check

boarding_pass

booking

columns 8

booking_id integer

flight_id integer

passenger_id integer

booking_platform varchar(50)

created_at timestamp

updated_at timestamp

status varchar(50)

ticket_price numeric(7,2)

keys 1

console booking

1 ✓

2

3

DELETE FROM Booking

WHERE ticket_price < 10000;

Services All Services

Tx

Database

postgres@localhost

console 24 ms

booking 407 ms

[2025-09-30 23:35:57] 10 rows affected in 52 ms

[2025-09-30 23:36:56] postgres.public> DELETE FROM Booking

WHERE ticket_price < 10000

[2025-09-30 23:36:56] 3 rows affected in 5 ms

Database Consoles > postgres@localhost > console

3:1 CRLF UTF-8 4 spaces

23:36 30.09.2025

Поиск

P W C T X VS Code

ENG

23:36 30.09.2025

Lab2Version control

consolebooking

Tx: AutoDDL

CSV

Download

Refresh

Filter

Settings

WHEREORDER BY

	booking_id	flight_id	passenger_id	booking_platform	created_at	updated_at	status	ticket_price
1	2	2	2	MobileApp	2025-09-30 18:31:36.587428	2025-09-30 18:31:36.587428	Confirmed	13800.00
2	3	3	3	Web	2025-09-30 18:31:36.587428	2025-09-30 18:31:36.587428	Cancelled	10925.00
3	4	4	4	Web	2025-09-30 18:31:36.587428	2025-09-30 18:31:36.587428	Confirmed	17250.00
4	6	6	6	MobileApp	2025-09-30 18:31:36.587428	2025-09-30 18:31:36.587428	Confirmed	12650.00
5	7	7	7	Web	2025-09-30 18:31:36.587428	2025-09-30 18:31:36.587428	Confirmed	14950.00
6	9	9	9	Web	2025-09-30 18:31:36.587428	2025-09-30 18:31:36.587428	Confirmed	23000.00
7	10	10	10	MobileApp	2025-09-30 18:31:36.587428	2025-09-30 18:31:36.587428	Pending	11270.00

7 rows

Database > postgres@localhost > postgres > public > tables > booking

SUM: Not enough values

23:3730.09.2025