

Lab2 Version control

Database Explorer

console airport booking airline flights

postgres@localhost 1 of 3

postgres 1 of 3

public

tables 10

airline

airport

baggage

baggage\_check

boarding\_pass

booking

Playground

Tx: Auto DDL

```
1 ✓ select f.flight_id, f.act_arrival_time, f.departing_gate, f.arriving_gate, a.airline_name
from flights f
join airline a 1..n->1: on a.airline_id = f.airline_id
join airport dep 1..n->1: on f.departing_airport_id = dep.airport_id
join airport arr 1..n->1: on f.arriving_airport_id = arr.airport_id
where arr.country = 'Country_2';
```

postres.public

Services

Tx

+ - ×

Database

postgres@localhost

airport 1 s 182 ms

flights 1 s 206 ms

airline 631 ms

console 696 ms

booking 697 ms

Output Result 39

Tx: Auto DDL CSV

flight_id	act_arrival_time	departing_gate	arriving_gate	airline_name
1	39	2025-10-18 10:10:00.000000	G8	H9
2	3	2024-12-02 13:40:00.000000	A102	B102

2 rows

Database Consoles > postgres@localhost > console

6:31 CRLF UTF-8 4 spaces

23:25

04.11.2025

Помощь Пуск Пуск

The screenshot shows a PostgreSQL database interface with the following details:

**Database Explorer** (Left Sidebar):

- Connected to `postgres@localhost` (1 of 3)
- Selected schema: `public`
- Tables: `airline` (10 rows) and `flights`

**Console Tab (Top Center):**

```
1 ✓ select a.airline_name
from airline a
left join flights f on a.airline_id = f.airline_id
and f.act_arrival_time >= current_date
and f.act_arrival_time < current_date + interval '1 month'
group by a.airline_name
7 having count(f.flight_id) = 0;
```

**Output Tab (Bottom Center):**

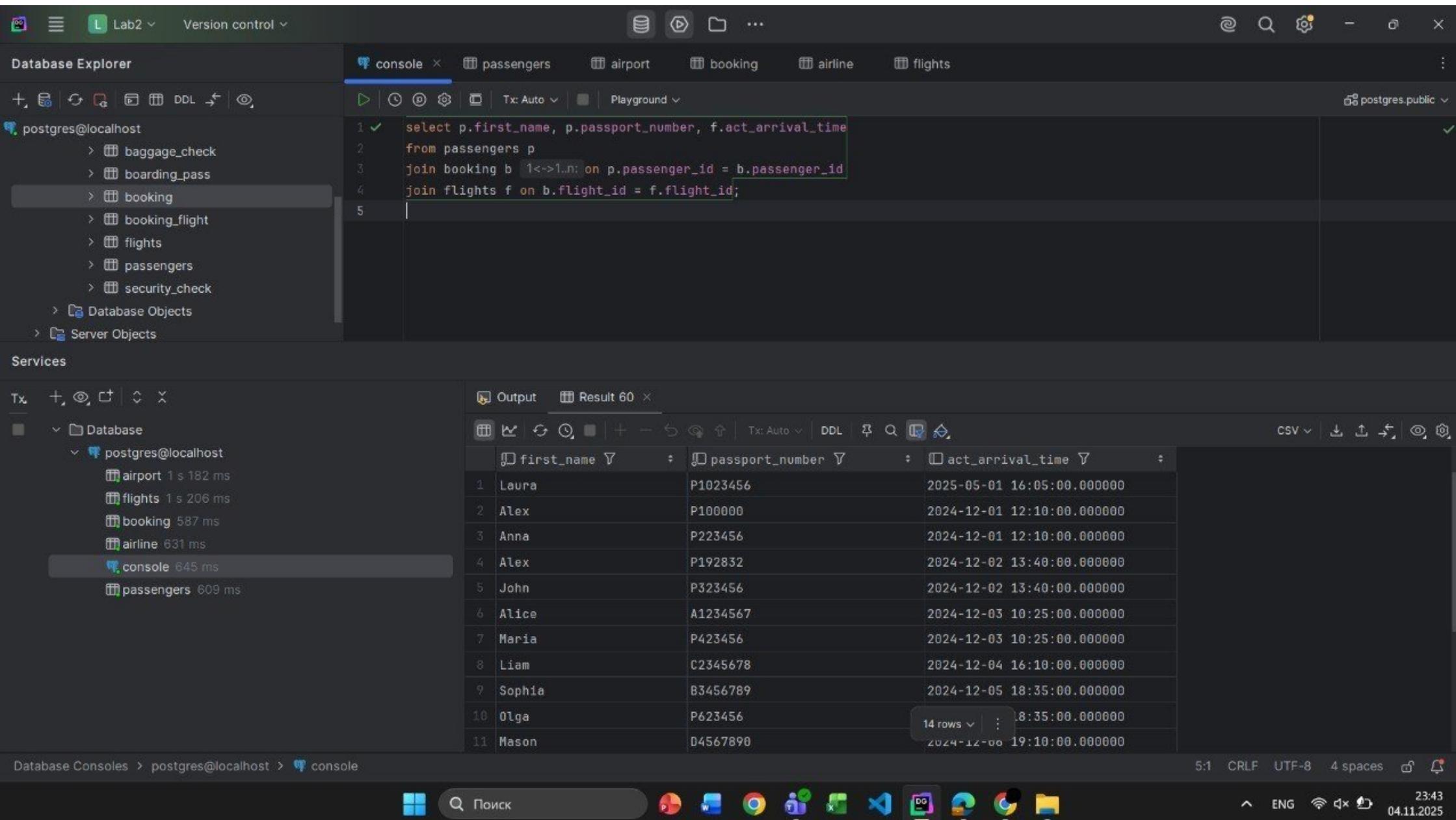
airline_name
KazAir
Airline I
Airline H
Airline D
FlyFly
AirEasy
Airline J
Airline A
FlyHigh
Airline G
Airline E
Airline C
Airline F
Airline B

**Services Tab (Bottom Left):**

- Transactions: Tx
- Connections: + (1)
- Databases: Database (1)
- Selected connection: `postgres@localhost` (896 ms)

**System Bar (Bottom Right):**

7:31 CRLF UTF-8 4 spaces ⌂ ⌂ 22:33 ENG ⌂ 04.11.2025



The screenshot shows a PostgreSQL database management interface with the following details:

**Database Explorer** pane (left):

- Connected to **postgres@localhost**.
- Shows tables: baggage\_check, boarding\_pass, booking, booking\_flight, flights, passengers, security\_check.
- Shows Database Objects and Server Objects.

**Console** pane (top center):

```
1 ✓ select p.first_name, p.age, arr.airport_name
from passengers p
join booking b 1<->1..n: on p.passenger_id = b.passenger_id
join flights f on b.flight_id = f.flight_id
join airport arr 1..n<->1: on f.arriving_airport_id = arr.airport_id
where p.age < 18;
```

**Services** pane (bottom left):

- Transactions (Tx): +, -.
- Database section:
  - postgres@localhost
    - airport 1 s 182 ms
    - flights 1 s 206 ms
    - booking 587 ms
    - airline 631 ms
    - console 611 ms
    - passengers 609 ms

**Output** pane (bottom center):

Result 59

	first_name	age	airport_name
1	Alice	16	Airport_106
2	Liam	17	Airport_108
3	Mason	15	Airport_112
4	Isabella	16	Airport_114

4 rows

**System Bar** (bottom right):

- Time: 23:41
- Date: 04.11.2025
- Language: ENG
- File Explorer icon
- Task View icon
- Search icon
- Network icon
- Power icon
- Clipboard icon
- File icon

The screenshot shows a PostgreSQL database interface with the following details:

**Database Explorer** pane on the left lists connections:

- postgres@localhost (selected)
- postgres (1 of 3)
- public

**Services** pane on the left shows connection times:

- flights 1 s 206 ms
- airline 631 ms
- console 695 ms (selected)

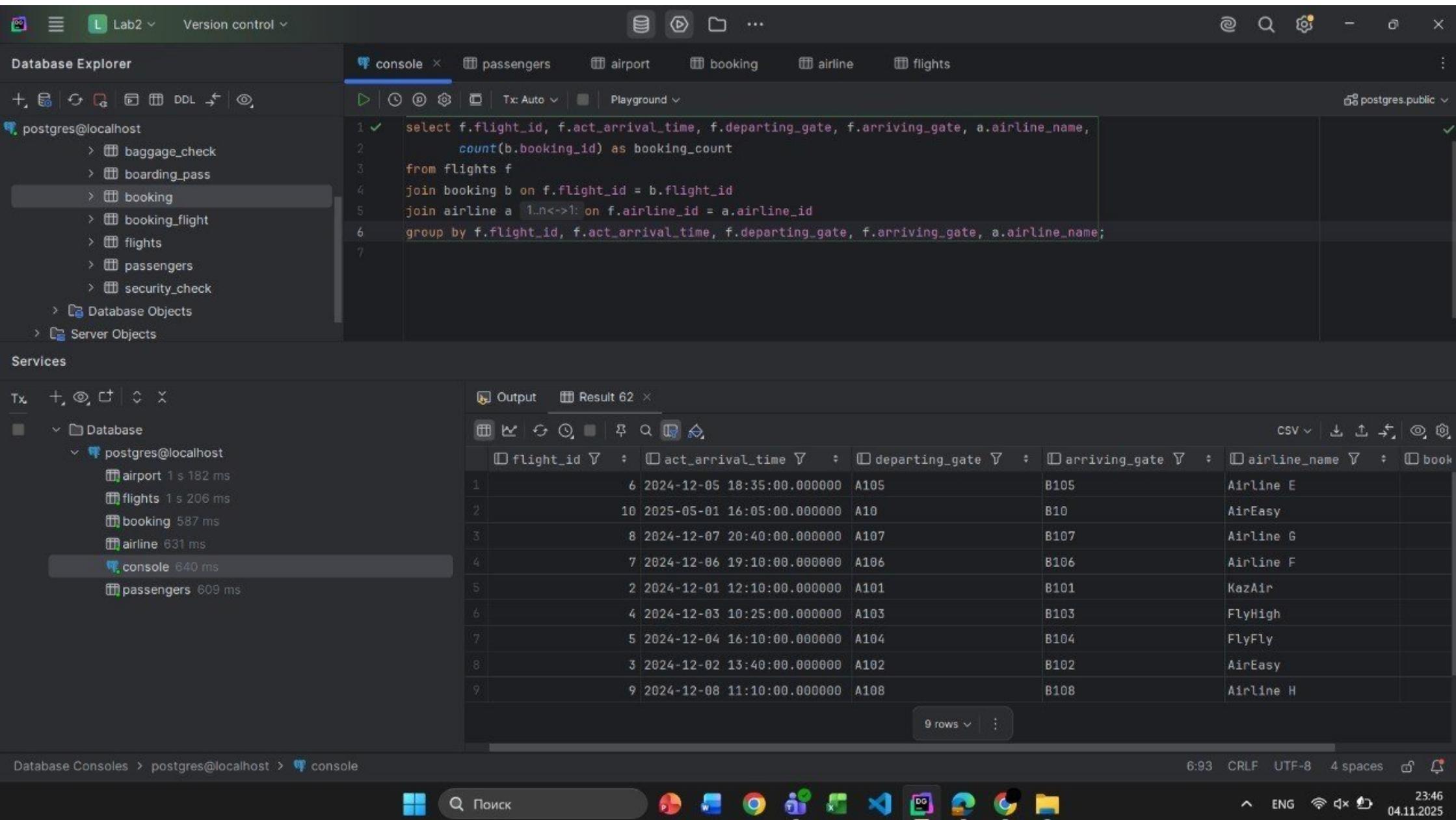
**Console** tab in the center contains the following SQL query:

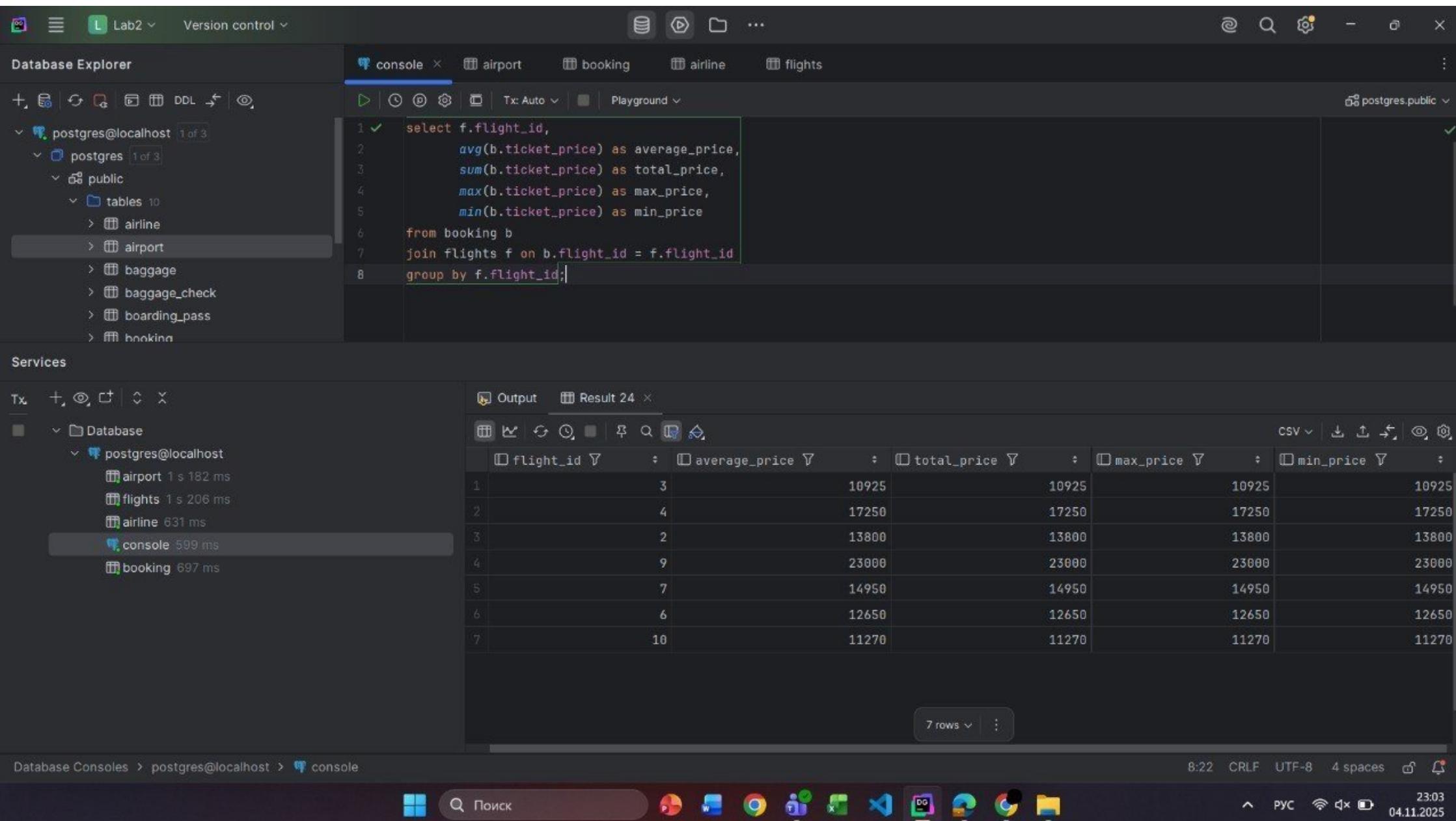
```
1 ✓ select f.flight_id, f.sch_departure_time, a.airport_name
from flights f
join airport a 1..n->1: on f.departing_airport_id = a.airport_id;
```

**Output** tab shows the results of the query:

flight_id	sch_departure_time	airport_name
10	2024-12-31 14:00:00.000000	Airport_10
31	2025-10-10 10:00:00.000000	Airport_11
21	2025-10-10 10:00:00.000000	Airport_11
32	2025-10-11 09:00:00.000000	Airport_13
22	2025-10-15 08:00:00.000000	Airport_13
33	2025-10-12 08:00:00.000000	Airport_15
23	2025-10-18 09:00:00.000000	Airport_15
24	2025-10-19 07:30:00.000000	Airport_17
34	2025-10-13 07:30:00.000000	Airport_17
25	2025-10-20 06:00:00.000000	Airport_19
35	2025-10-14 06:00:00.000000	Airport_19
36	2025-10-15 10:00:00.000000	Airport_21
37	2025-10-16 09:00:00.000000	Airport_23
38	2025-10-17 08:00:00.000000	Airport_25
39	2025-10-18 07:30:00.000000	Airport_27
40	2025-10-19 06:00:00.000000	

Bottom status bar: Database Consoles > postgres@localhost > console | 2:15 CRLF UTF-8 4 spaces | 04.11.2025 22:30





The screenshot shows a PostgreSQL database management interface with the following details:

**Database Explorer** sidebar:

- Selected connection: `postgres@localhost`
- Tables under `public`: `airline`, `airport`, `baggage`, `baggage_check`, `boarding_pass`, `booking`, `booking_flight`, `flights`, `passenger`.

**Console Tab** (selected):

```
1 ✓ select p.first_name, p.passport_number
from passengers p
join booking b 1<->1..n; on p.passenger_id = b.passenger_id
where b.flight_id = 2;
```

**Output Tab** (selected): `postgres.public.passenger`

first_name	passport_number
Anna	P223456

**Services Tab** (selected):

- Selected connection: `postgres@localhost`
- Recent connections: `flights` (1s 206 ms), `airline` (631 ms), `console` (713 ms) (highlighted in blue), `booking` (697 ms).

Bottom status bar:

4.22 CRLF UTF-8 4 spaces ⌂ 22:38 ENG ⌂ 04.11.2025

The screenshot shows a PostgreSQL database interface with the following details:

**Database Explorer** sidebar:

- Selected connection: `postgres@localhost`
- Tables under `public`: `airline`, `airport`, `baggage`, `baggage_check`, `boarding_pass`, `booking`, `booking_flight`, `flights` (highlighted), `passengers`, `security_check`.
- Other sections: `Database Objects`, `Server Objects`.

**Console Tab** (selected):

```
1 ✓ select f.flight_id, a.airline_name
from flights f
join airline a 1..n->1 on f.airline_id = a.airline_id
where a.airline_name = 'KazAir';
```

**Services Tab**:

- Selected connection: `postgres@localhost`
- Recent queries:
  - `flights` 1 s 206 ms
  - `airline` 631 ms
  - `console` 567 ms (highlighted)

**Output Tab** (Result 10):

flight_id	airline_name
1	22 KazAir
2	33 KazAir
3	38 KazAir

Bottom status bar:

4.31 CRLF UTF-8 4 spaces ⌂ 22:29 ⌂ ENG ⌂ 04.11.2025