Database Explorer

lab2   console_4

Files

Tx: Auto   Playground   postgres.lab2   Lab 2 DB

Scratches

```
1   SELECT *
2   FROM passengers
3   --LOWER для нижнего регистра, TRIM для удаления лишних пробелов с обоих сторон
4   WHERE LOWER(TRIM(first_name)) = LOWER(TRIM(last_name));
```

postgres@localhost 1 of 5

postgres 2 of 4

lab2

tables 10

airline

airport

baggage

baggage_check

boarding_pass

booking

booking_flight

flights

passengers

security_check

Services

Database

postgres@localhost

console_4 385 ms

Output   postgres.lab2.passengers

Tx: Auto   DDL   CSV

passenger_id	first_name	last_name	date_of_birth	gender	country_of_citizens
1	389	ТОТЯ	ТОТЯ	1990-01-01	Male	USA
2	390	Тайлер	Тайлер	1985-05-12	Female	UK

2 rows

Database Explorer

lab2   console_4

Files

Tx: Auto   Playground   postgres.lab2   Lab 2 DB

Scratches

```
1   SELECT DISTINCT last_name
2   FROM passengers;
3
```

postgres@localhost 1 of 5

postgres 2 of 4

lab2

tables 10

airline

airport

baggage

baggage_check

boarding_pass

booking

booking_flight

flights

passengers

security_check

Services

Database

postgres@localhost

console_4 361 ms

Output   postgres.lab2.passengers

Tx: Auto   DDL   CSV

	last_name
1	Surname_93
2	Surname_17
3	Surname_101
4	Surname_85
5	Surname_2
6	Surname_25
7	Surname_153
8	Surname_61
9	Surname_196
10	Surname_177
11	Surname_107
12	BBB

203 rows

Database Explorer

lab2   console_4

Files

Tx: Auto   Playground   postgres.lab2   Lab 2 DB

Scratches
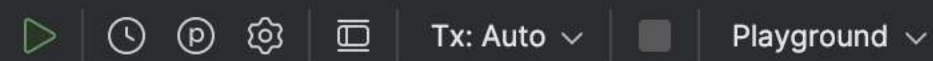
```
1   SELECT *
2   FROM passengers
3   WHERE gender =  'male'
4   --Изменил диапозон дат, так как в таблице пассажиров не было мужчин с датой рождения в заданном диапозоне
5   AND date_of_birth >=  '1980-01-01'
6   AND date_of_birth <  '1990-01-01'
```

postgres@localhost 1 of 5
postgres 2 of 4
lab2
tables 10
airline
airport
baggage
baggage_check
boarding_pass
booking
booking_flight
flights
passengers
security_check

Services

Database
postgres@localhost
console_4 370 ms

Output   postgres.lab2.passengers

CSV

passenger_id	first_name	last_name	date_of_birth	gender	country_of_citiz
1	2	Name_2	Surname_2	1980-01-03	male	Country_3
2	4	Name_4	Surname_4	1980-01-05	male	Country_5
3	6	Name_6	Surname_6	1980-01-07	male	Country_7
4	8	Name_8	Surname_8	1980-01-09	male	Country_9
5	10	Name_10	Surname_10	1980-01-11	male	Country_1
6	12	Name_12	Surname_12	1980-01-13	male	Country_3
7	14	Name_14	Surname_14	1980-01-15	male	Country_5
8	16	Name_16	Surname_16	1980-01-17	male	Country_7
9	18	Name_18	Surname_18	1980-01-19	male	Country_9
10	20	Name_20	Surname_20	1980-01-21	male	Country_1
11	22	Name_22	Surname_	0-01-23	male	Country_3

100 rows

Database Consoles > postgres@localhost > console_4   6:33 LF UTF-8 4 spaces

Database Explorer

lab2   console_4

Scratches a

Tx: Auto   Playground   postgres.lab2
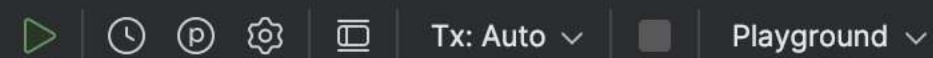
```sql
SELECT
    TO_CHAR(created_at, 'YYYY-MM') AS month,   -- Год и месяц (например, 2025-09)
    SUM(ticket_price) AS total_sales           -- Сумма всех продаж по месяцам
FROM booking
GROUP BY TO_CHAR(created_at, 'YYYY-MM')        -- Группировка по месяцу
ORDER BY month;                                -- Сортировка по месяцу
```

postgres@localhost   1 of 5
    postgres   2 of 4
        lab2
            tables   10
                airline
                airport
                baggage
                baggage_check
                boarding_pass
                booking
                booking_flight
                flights
                passengers
                security_check

Services

Database
    postgres@localhost
        console_4   362 ms

Output   Result 11

CSV

month	total_sales
1	2025-09	2323115

1 row

Database Explorer

```
1  SELECT flights.flight_id, flights.sch_departure_time, flights.sch_arrival_time, airport.airport_name, airport.country
2  FROM flights
3  JOIN airport 1..n<->1: ON flights.arriving_airport_id = airport.airport_id
4  WHERE airport.country = 'Country_3';
```

Tx: Auto | Playground | postgres.lab2 | Lab 2 DB | Scratches

postgres@localhost 1 of 5
  postgres 2 of 4
    lab2
      tables 10
        airline
        airport
        baggage
        baggage_check
        boarding_pass
        booking
        booking_flight
        flights
        passengers
        security_check

Services

Database
  postgres@localhost
    airport   409 ms
    flights   449 ms
    console_4   370 ms

Output | Result 13

Tx: Auto | DDL | CSV

flight_id	sch_departure_time	sch_arrival_time	airport_name	country
1	1 2025-09-23 21:46:32.067402	2025-09-23 23:46:32.067402	Airport_2	Country_3
2	11 2025-09-24 07:46:32.067402	2025-09-24 09:46:32.067402	Airport_12	Country_3
3	21 2025-09-24 17:46:32.067402	2025-09-24 19:46:32.067402	Airport_22	Country_3
4	31 2025-09-25 03:46:32.067402	2025-09-25 05:46:32.067402	Airport_32	Country_3
5	41 2025-09-25 13:46:32.067402	2025-09-25 15:46:32.067402	Airport_42	Country_3
6	51 2025-09-25 23:46:32.067402	2025-09-26 01:46:32.067402	Airport_52	Country_3
7	61 2025-09-26 09:46:32.067402	2025-09-26 11:46:32.067402	Airport_62	Country_3
8	71 2025-09-26 19:46:32.067402	2025-09-26 21:46:32.067402	Airport_72	Country_3
9	81 2025-09-27 05:46:32.067402	2025-09-27 07:46:32.067402	Airport_82	Country_3
10	91 2025-09-27 15:46:32.067402	2025-09-27 17:46:32.067402	Airport_92	Country_3
11	101 2025-09-28 01:46:32.067402	6:32.067402	Airport_102	Country_3

20 rows

Database Explorer

lab2   console_5   airline

postgres@localhost 1 of 5

postgres 2 of 4

lab2

tables 10

airline

airport

baggage

baggage_check

boarding_pass

booking

booking_flight

flights

passengers

security_check

```sql
1  SELECT *
2  FROM airline
3  WHERE airline_country IN ('France', 'Portugal', 'Poland')
4  --also changed dates to have a results in our request
5  AND created_at >= '2024-11-01 00:00:00'
6  AND created_at < '2026-03-31 00:00:00'
```

Tx: Auto   Playground ⌄   postgres.lab2 ⌄

Files ⌄

Lab 2 DB

Scratches a

Services

Database

postgres@localhost

airline 391 ms

console_5 390 ms

Output   postgres.lab2.airline

Tx: Auto   DDL   CSV ⌄

airline_id	airline_code	airline_name	airline_country	created_at	upd
1	202	AE	AirEasy	France	2025-09-23 20:55:57.947797	2025-0
2	204	FF	FlyFly	Poland	2025-09-23 20:55:57.947797	2025-0

2 rows ⌄

Database Explorer

lab2   console_5   airline

Files

Lab 2 DB

Scratches

DDL

Tx: Auto   Playground   postgres.lab2

```sql
1  SELECT *
2  FROM airline
3  WHERE airline_country = 'Kazakhstan';
```

postgres@localhost 1 of 5
  postgres 2 of 4
    lab2
      tables 10
        airline
        airport
        baggage
        baggage_check
        boarding_pass
        booking
        booking_flight
        flights
        passengers
        security_check

Services

Database
  postgres@localhost
    airline 391 ms
    console_5 378 ms

Output   postgres.lab2.airline

Tx: Auto   DDL   CSV

airline_id	airline_code	airline_name	airline_country	created_at	upd
1	1001	KZ1	KazAir1	Kazakhstan	2025-10-13 19:20:15.593940	2025-1
2	2001	KZ2	KazAir2	Kazakhstan	2025-10-13 19:20:15.593940	2025-1
3	3001	KZ3	KazAir3	Kazakhstan	2025-10-13 19:20:15.593940	2025-1
4	4001	KZ4	KazAir4	Kazakhstan	2025-10-13 19:20:15.593940	2025-1

4 rows

Database Consoles > postgres@localhost > console_5   3:38 LF UTF-8 4 spaces

Database Explorer

⊞ lab2   🐘 console_5 ✕   ⊞ airline

postgres@localhost 1 of 5

postgres 2 of 4

lab2

tables 10

⊞ airline
⊞ airport
⊞ baggage
⊞ baggage_check
⊞ boarding_pass
⊞ booking
⊞ booking_flight
⊞ flights
⊞ passengers
⊞ security_check

Tx: Auto ⌄   Playground ⌄   postgres.lab2 ⌄

```
1  UPDATE booking
2  SET ticket_price = round(ticket_price*0.90, 2),
3  updated_at = NOW()
4  WHERE created_at < TIMESTAMP'11-01-2023';
```

Files ⌄

Lab 2 DB

Scratches

Services

Database

postgres@localhost

⊞ airline 391 ms

🐘 console_5 22 ms

[2025-10-14 00:25:18] postgres.lab2> UPDATE booking
                                     SET ticket_price = round(ticket_price*0.90, 2),
                                     updated_at = NOW()
                                     WHERE created_at < TIMESTAMP'11-01-2023'
[2025-10-14 00:25:18] completed in 6 ms

Database Explorer

lab2   console_5

```
1   SELECT booking_id, ticket_price, created_at
2   FROM booking
3   WHERE created_at < '2023-11-01';
4   --В моих таблицах нет данных
```

postgres@localhost 1 of 5

postgres 2 of 4

lab2

tables 10

airline

airport

baggage

baggage_check

boarding_pass

booking

booking_flight

flights

passengers

security_check

Services

Database

postgres@localhost

console_5 361 ms

Output   postgres.lab2.booking

booking_id   ticket_price   created_at

CSV

0 rows

lab2　　console_5　　airline

postgres.lab2

Lab 2 DB

Scratches

```
1 ✓  SELECT baggage_id, weight_in_kg
2    FROM baggage
3    WHERE weight_in_kg > 25
4    LIMIT 3;
```

postgres@localhost 1 of 5
　postgres 2 of 4
　　lab2
　　　tables 10
　　　　airline
　　　　airport
　　　　baggage
　　　　baggage_check
　　　　boarding_pass
　　　　booking
　　　　booking_flight
　　　　flights
　　　　passengers
　　　　security_check

Services

Database
　postgres@localhost
　　airline 391 ms
　　console_5 390 ms

Output　　postgres.lab2.baggage

	baggage_id		weight_in_kg	
1	16		26.00	
2	17		27.00	
3	18		28.00	

3 rows

Database Explorer

Tx: Auto   Playground   postgres.lab2   Lab 2 DB

Scratches

```sql
1   SELECT first_name, last_name, date_of_birth
2   FROM passengers
3   WHERE date_of_birth = (SELECT MAX(date_of_birth) FROM passengers)
4
```

postgres@localhost 1 of 5
postgres 2 of 4
lab2
tables 10
airline
airport
baggage
baggage_check
boarding_pass
booking
booking_flight
flights
passengers
security_check

Services

Database
postgres@localhost
console_5 361 ms

Output   postgres.lab2.passengers

Tx: Auto   DDL   CSV

first_name	last_name	date_of_birth
1 AAA	BBB	2001-01-01

1 row

```sql
SELECT booking_platform, MIN(ticket_price) AS cheapest_price
FROM booking
GROUP BY booking_platform;
```

booking_platform	cheapest_price
platform_3	11502.3
platform_2	11501.15
platform_1	11503.45

3 rows

Database Explorer

lab2   console_5

Tx: Auto   Playground   postgres.lab2   Lab 2 DB

Scratches

```sql
1  SELECT airline_id, airline_name, airline_code
2  FROM airline
3  WHERE airline_code ~ '[0-9]';
```

postgres@localhost 1 of 5

postgres 2 of 4

lab2

tables 10

airline

airport

baggage

baggage_check

boarding_pass

booking

booking_flight

flights

passengers

security_check

Services

Output   postgres.lab2.airline

Tx: Auto   DDL   CSV

Database

postgres@localhost

console_5 379 ms

airline_id	airline_name	airline_code
1	Airline_1	AL1
2	Airline_2	AL2
3	Airline_3	AL3
4	Airline_4	AL4
5	Airline_5	AL5
6	Airline_6	AL6
7	Airline_7	AL7
8	Airline_8	AL8
9	Airline_9	AL9
10	Airline_10	AL10
11	Airline_11	AL11
12	Airline_12	AL12

204 rows

lab2   console_5

Lab 2 DB   Version control

Playground   postgres.lab2   Lab 2 DB

Scratches

```
1   SELECT airline_id, airline_name, created_at
2   FROM airline
3   ORDER BY created_at DESC
4   LIMIT 5;
```

postgres@localhost   1 of 5

postgres   2 of 4

lab2

tables   10

airline

airport

baggage

baggage_check

boarding_pass

booking

booking_flight

flights

passengers

security_check

Services

Output   postgres.lab2.airline

Database

postgres@localhost

console_5   353 ms

airline_id	airline_name	created_at
1	3001 KazAir3	2025-10-13 19:20:15.593940
2	4001 KazAir4	2025-10-13 19:20:15.593940
3	1001 KazAir1	2025-10-13 19:20:15.593940
4	2001 KazAir2	2025-10-13 19:20:15.593940
5	204 FlyFly	2025-09-23 20:55:57.947797

CSV

5 rows

lab2   console_5

Playground   postgres.lab2   Lab 2 DB

Scratches

postgres@localhost `1 of 5`

postgres `2 of 4`

lab2

tables `10`

airline

airport

baggage

baggage_check

boarding_pass

booking

booking_flight

flights

passengers

security_check

```sql
1  SELECT *
2  FROM baggage_check
3  WHERE booking_id BETWEEN 200 AND 300
4    AND check_result <> 'Checked';
```

Services

Database

postgres@localhost

console_5   `354 ms`

Output   postgres.lab2.baggage_check

CSV

baggage_check_id	check_result	created_at	updated_at	booking_id
1	200 OK	2025-09-23 20:46:32.130526	2025-09-23 20:46:32.130526	200

1 row

Database Consoles > postgres@localhost > console_5   4:33   LF   UTF-8   4 spaces

Database Explorer

```
1    SELECT *
2    FROM baggage_check
3    WHERE date_trunc('month', created_at) = date_trunc('month', updated_at)
4        AND updated_at < created_at;
```

postgres.lab2   Lab 2 DB

Scratches

- postgres@localhost 1 of 5
  - postgres 2 of 4
    - lab2
      - tables 10
        - airline
        - airport
        - baggage
        - baggage_check
        - boarding_pass
        - booking
        - booking_flight
        - flights
        - passengers
        - security_check

Services

- Database
  - postgres@localhost
    - console_5 341 ms

Output   postgres.lab2.baggage_check

baggage_check_id	check_result	created_at	updated_at	booking_id

CSV

0 rows

Database Consoles > postgres@localhost > console_5

4:31   LF   UTF-8   4 spaces