

Database Explorer

postgres@localhost 1

postgres 1 of 3

public

tables 10

sequences 10

Database Objects

Server Objects

roles 17

lab\_user

Services

default 29 ms

console\_3 369 ms

console\_1 713 ms

console 14 ms

console\_6

console\_16 1 s 806 ms

console\_17 47 ms

console\_4

console\_15

console\_12

console\_7

console\_13

console\_11

console\_2

console\_14

console console\_1 console\_2 console\_3

Tx: Auto Playground

postgres.public

1 -- 1. Пассажиры, у которых фамилия = имя

2 ✓ SELECT \* FROM passengers WHERE first\_name = last\_name;

3

4 -- 2. Уникальные фамилии пассажиров

5 SELECT DISTINCT last\_name FROM passengers;

6

7 -- 3. Мужчины, родившиеся 1990-2000

8 SELECT \* FROM passengers

9 WHERE gender = 'Male'

10 AND date\_of\_birth BETWEEN '1990-01-01' AND '2000-12-31';

Output 1. Пассажиры, у которых фамилия = имя

passenger\_id first\_name last\_name date\_of\_birth gender country\_of\_citizen

1 17 John John 1995-06-15 Male USA

2 22 Saltanat Saltanat 1999-11-30 Female Kazakhstan

3 27 John John 1995-06-15 Male USA

4 32 Saltanat Saltanat 1999-11-30 Female Kazakhstan

5 33 John John 1995-06-15 Male USA

6 38 Saltanat Saltanat 1999-11-30 Female Kazakhstan

7 39 John John 1995-06-15 Male USA

8 44 Saltanat Saltanat 1999-11-30 Female Kazakhstan

8 rows

Database Consoles > postgres@localhost > console\_1

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Tx: Auto Playground postgres.public

1 -- 1. Пассажиры, у которых фамилия = имя

2 SELECT \* FROM passengers WHERE first\_name = last\_name;

3

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5 SELECT DISTINCT last\_name FROM passengers;

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7 -- 3. Мужчины, родившиеся 1990-2000

8 SELECT \* FROM passengers

9 WHERE gender = 'Male'

10 AND date\_of\_birth BETWEEN '1990-01-01' AND '2000-12-31';

Output 2. Уникальные фамилии пассажиров

last\_name

1 Saltanat

2 Ivanova

3 Schmidt

4 John

5 Smith

6 Sidorova

7 Petrov

8 Tulegenova

9 Nurlybek

9 rows

Database Consoles > postgres@localhost > console\_1

5:3 CRLF UTF-8 4 spaces ENG 22:09 28.09.2025

```
-- 1. Пассажиры, у которых фамилия = имя
SELECT * FROM passengers WHERE first_name = last_name;

-- 2. Уникальные фамилии пассажиров
SELECT DISTINCT last_name FROM passengers;

-- 3. Мужчины, родившиеся 1990-2000
SELECT * FROM passengers
WHERE gender = 'Male'
AND date_of_birth BETWEEN '1990-01-01' AND '2000-12-31';
```

last_name
Saltanat
Ivanova
Schmidt
John
Smith
Sidorova
Petrov
Tulegenova
Nurlybek

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Services

default 29 ms

console\_3 369 ms

console\_1 458 ms

console 14 ms

console\_6

console\_16 1 s 806 ms

console\_17 47 ms

console\_4

console\_15

console\_12

console\_7

console\_13

console\_11

console\_2

console\_14

console console\_1 console\_2 console\_3

Tx: Auto Playground

postgres.public

-- 3. Мужчины, родившиеся 1990-2000

SELECT \* FROM passengers

WHERE gender = 'Male'

AND date\_of\_birth BETWEEN '1990-01-01' AND '2000-12-31';

-- 4. Сумма цен билетов по месяцам (сортировка)

SELECT DATE\_TRUNC('month', created\_at) AS month, SUM(price) AS total\_price

FROM booking

GROUP BY month

ORDER BY month;

Output 3. Мужчины, родившиеся 1990-2000

passenger\_id first\_name last\_name date\_of\_birth gender country\_of\_citizen

1 17 John John 1995-06-15 Male USA

2 19 Davlet Nurlybek 1998-12-05 Male Kazakhstan

3 27 John John 1995-06-15 Male USA

4 29 Davlet Nurlybek 1998-12-05 Male Kazakhstan

5 33 John John 1995-06-15 Male USA

6 35 Davlet Nurlybek 1998-12-05 Male Kazakhstan

7 39 John John 1995-06-15 Male USA

8 41 Davlet Nurlybek 1998-12-05 Male Kazakhstan

8 rows

Database Consoles > postgres@localhost > console\_1

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22:09 28.09.2025

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default 29 ms

console\_3 369 ms

console\_1 489 ms

console 14 ms

console\_6

console\_16 1 s 806 ms

console\_17 47 ms

console\_4

console\_15

console\_12

console\_7

console\_13

console\_11

console\_2

console\_14

console console\_1 console\_2 console\_3

Tx: Auto Playground

postgres.public

10 AND date\_of\_birth BETWEEN '1990-01-01' AND '2000-12-31';

11

12 -- 4. Сумма цен билетов по месяцам (сортировка)

13 ✓ SELECT DATE\_TRUNC('month', created\_at) AS month, SUM(price) AS total\_price

14 FROM booking

15 GROUP BY month

16 ORDER BY month;

17

18 -- 5. Рейсы в Китай

19 SELECT f.\*

20

Output 4. Сумма цен билетов... месяцем (сортировка)

month total\_price

1 2023-10-01 00:00:00.000000 1200

2 2023-12-01 00:00:00.000000 1800

3 2024-01-01 00:00:00.000000 2000

4 2024-03-01 00:00:00.000000 4600

5 2025-09-01 00:00:00.000000 11650

5 rows

Database Consoles > postgres@localhost > console\_1

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Services

default 29 ms

console\_3 369 ms

console\_1 421 ms

console 14 ms

console\_6

console\_16 1 s 806 ms

console\_17 47 ms

console\_4

console\_15

console\_12

console\_7

console\_13

console\_11

console\_2

console\_14

console console\_1 console\_2 console\_3

Tx: Auto Playground

postgres.public

16 ORDER BY month;

17

18 -- 5. Рейсы в Китай

19 SELECT f.\*

20 FROM flights f

21 JOIN airport a 1..n<->1: ON f.arriving\_airport\_id = a.airport\_id

22 WHERE a.country = 'China';

23

24 -- 6. Авиалинии из France/Portugal/Poland в заданном диапазоне

25 SELECT \* FROM airline\_info

26

Output 5. Рейсы в Китай

flight\_id sch\_departure\_time sch\_arrival\_time departing\_airport\_id arriving\_airport\_id

0 rows

Database Consoles > postgres@localhost > console\_1

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Database Objects

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roles 17

lab\_user

Services

default 29 ms

console\_3 369 ms

console\_1 450 ms

console 14 ms

console\_6

console\_16 1 s 806 ms

console\_17 47 ms

console\_4

console\_15

console\_12

console\_7

console\_13

console\_11

console\_2

console\_14

console console\_1 console\_2 console\_3

Tx: Auto Playground

postgres.public

22 WHERE a.country = 'China';

23

24 -- 6. Авиалинии из France/Portugal/Poland в заданном диапазоне

25 SELECT \* FROM airline\_info

26 WHERE airline\_country IN ('France','Portugal','Poland')

27 AND created\_at BETWEEN '2023-11-01' AND '2024-03-31';

28

29 -- 7. Авиакомпании из Казахстана

30 SELECT airline\_name FROM airline\_info WHERE airline\_country = 'Kazakhstan';

31

Output 6. Авиалинии из Fran... в заданном диапазоне

airline\_id airline\_code airline\_name airline\_country created\_at up

1 13 AF123 Air France France 2023-11-15 00:00:00.000000 2023-

2 14 TP456 TAP Portugal Portugal 2024-01-10 00:00:00.000000 2024-

3 15 L0789 LOT Polish Airlines Poland 2024-03-20 00:00:00.000000 2024-

4 22 AF123 Air France France 2023-11-15 00:00:00.000000 2023-

5 23 TP456 TAP Portugal Portugal 2024-01-10 00:00:00.000000 2024-

6 24 L0789 LOT Polish Airlines Poland 2024-03-20 00:00:00.000000 2024-

7 28 AF123 Air France France 2023-11-15 00:00:00.000000 2023-

8 29 TP456 TAP Portugal Portugal 2024-01-10 00:00:00.000000 2024-

9 30 L0789 LOT Polish Airlines Poland 2024-03-20 00:00:00.000000 2024-

10 34 AF123 Air France France 2023-11-15 00:00:00.000000 2023-

11 35 TP456 TAP Portugal Portugal 2024-01-10 00:00:00.000000 2024-

Database Consoles > postgres@localhost > console\_1

25:6 CRLF UTF-8 4 spaces

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postgres 1 of 3

public

tables 10

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Database Objects

Server Objects

roles 17

lab\_user

Services

default 29 ms

console\_3 369 ms

console\_1 388 ms

console 14 ms

console\_6

console\_16 1 s 806 ms

console\_17 47 ms

console\_4

console\_15

console\_12

console\_7

console\_13

console\_11

console\_2

console\_14

console console\_1 console\_2 console\_3

Tx: Auto Playground

postgres.public

28

29 -- 7. Авиакомпании из Казахстана

30 ✓ SELECT airline\_name FROM airline\_info WHERE airline\_country = 'Kazakhstan';

31

32 -- 8. Уменьшить цену брони на 10% до 11-01-2023

33 UPDATE booking

34 SET price = price \* 0.9

35 WHERE created\_at < '2023-11-01';

36

37 -- 9. Топ-3 по перевесу багажа > 25 кг

38

Output 7. Авиакомпании из Казахстана

airline\_name

1 Air Astana

2 Air Astana

3 Air Astana

4 Air Astana

5 Air Astana

6 Air Astana

7 Air Astana

8 Air Astana

9 Air Astana

9 rows

Database Consoles > postgres@localhost > console\_1

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Database Explorer

postgres@localhost

- baggage\_check
- boarding\_pass
- booking
  - columns 8
  - keys 1
  - foreign keys 2
  - indexes 1
- booking\_flight
- flights

console console\_1 console\_2 console\_3

postgres@localhost

-- 8. Уменьшить цену брони на 10% до 11-01-2023

UPDATE booking

SET price = price \* 0.9

WHERE created\_at < '2023-11-01';

-- 9. Топ-3 по перевесу багажа > 25 кг

SELECT \* FROM baggage

WHERE weight\_in\_kg > 25

ORDER BY weight\_in\_kg DESC

Services

default 29 ms

console\_3 369 ms

console\_1 433 ms

console 14 ms

console\_6

console\_16 1 s 806 ms

console\_17 47 ms

console\_4

console\_15

console\_12

console\_7

console\_13

console\_11

console\_2

console\_14

Output 9. Топ-3 по перевесу багажа > 25 кг

	baggage_id	weight_in_kg	created_at	updated_at	booking_id
1	17	32.50	2025-09-28 17:05:01.038720	2025-09-28 17:05:01.038720	1
2	26	32.50	2025-09-28 17:05:19.677469	2025-09-28 17:05:19.677469	1
3	31	32.50	2025-09-28 17:06:44.898802	2025-09-28 17:06:44.898802	1

3 rows

Database Consoles > postgres@localhost > console\_1

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Database Explorer

postgres@localhost

baggage\_check

boarding\_pass

booking

columns 8

keys 1

foreign keys 2

indexes 1

booking\_flight

flights

console

console\_1

console\_2

console\_3

postgres.public

10. Самый молодой пассажир (ФИО)

SELECT first\_name, last\_name

FROM passengers

ORDER BY date\_of\_birth DESC

LIMIT 1;

11. Самая дешёвая бронь на каждой платформе

SELECT booking\_platform, MIN(price) AS cheapest

FROM booking

GROUP BY booking\_platform;

Services

default 29 ms

console\_3 369 ms

console\_1 433 ms

console 14 ms

console\_6

console\_16 1 s 806 ms

console\_17 47 ms

console\_4

console\_15

console\_12

console\_7

console\_13

console\_11

console\_2

console\_14

Output 10. Самый молодой пассажир (ФИО)

first\_name

last\_name

1 Alex Smith

1 row

Database Consoles > postgres@localhost > console\_1

44:12 CRLF UTF-8 4 spaces

ENG 22:12 28.09.2025

Database Explorer

postgres@localhost

- baggage\_check
- boarding\_pass
- booking
  - columns 8
  - keys 1
  - foreign keys 2
  - indexes 1
- booking\_flight
- flights

console console\_1 console\_2 console\_3

console\_1

43 -- 10. Самый молодой пассажир (ФИО)

44 SELECT first\_name, last\_name

45 FROM passengers

46 ORDER BY date\_of\_birth DESC

47 LIMIT 1;

48

49 -- 11. Самая дешёвая бронь на каждой платформе

50 SELECT booking\_platform, MIN(price) AS cheapest

51 FROM booking

52 GROUP BY booking\_platform;

Services

default 29 ms

console\_3 369 ms

console\_1 468 ms

console 14 ms

console\_6

console\_16 1 s 806 ms

console\_17 47 ms

console\_4

console\_15

console\_12

console\_7

console\_13

console\_11

console\_2

console\_14

Output 11. Самая дешёвая бр...ь на каждой платформе

	booking_platform	cheapest
1	AirlineSite	500
2	Website	500
3	Expedia	218.7
4	Skyscanner	450
5	Agency	480
6	MobileApp	650

6 rows

Database Consoles > postgres@localhost > console\_1

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Database Explorer

postgres@localhost

- baggage\_check
- boarding\_pass
- booking
  - columns 8
  - keys 1
  - foreign keys 2
  - indexes 1
- booking\_flight
- flights

console console\_1 console\_2 console\_3

console\_1

```
52 GROUP BY booking_platform;
53
54 -- 12. Авиаииииии, где code содержит цифру
55 SELECT * FROM airline_info
56 WHERE airline_code ~ '[0-9]';
57
58 -- 13. Топ-5 самых новых авиаииииии
59 SELECT * FROM airline_info
60 ORDER BY created_at DESC
61 LIMIT 5;
```

Services

default 29 ms

console\_3 369 ms

console\_1 478 ms

console 14 ms

console\_6

console\_16 1 s 806 ms

console\_17 47 ms

console\_4

console\_15

console\_12

console\_7

console\_13

console\_11

console\_2

console\_14

Output 12. Авиаииииии, где code содержит цифру

	airline_id	airline_code	airline_name	airline_country	created_at	up
1	13	AF123	Air France	France	2023-11-15 00:00:00.000000	2023-
2	14	TP456	TAP Portugal	Portugal	2024-01-10 00:00:00.000000	2024-
3	15	L0789	LOT Polish Airlines	Poland	2024-03-20 00:00:00.000000	2024-
4	16	KC001	Air Astana	Kazakhstan	2022-05-10 00:00:00.000000	2022-
5	17	CA998	Air China	China	2023-07-01 00:00:00.000000	2023-
6	18	SU777	Aeroflot	Russia	2023-08-08 00:00:00.000000	2023-
7	22	AF123	Air France	France	2023-11-15 00:00:00.000000	2023-
8	23	TP456	TAP Portugal	Portugal	2024-01-10 00:00:00.000000	2024-
9	24	L0789	LOT Polish Airlines	Poland	2024-03-20 00:00:00.000000	2024-
10	25	KC001	Air Astana	Kazakhstan	2022-05-10 00:00:00.000000	2022-
11	26	CA998	Air China	China	2023-07-01 00:00:00.000000	2023-

Database Consoles > postgres@localhost > console\_1

56:20 CRLF UTF-8 4 spaces

22:13 28.09.2025

Database Explorer

postgres@localhost

- baggage\_check
- boarding\_pass
- booking
  - columns 8
  - keys 1
  - foreign keys 2
  - indexes 1
- booking\_flight
- flights

console console\_1 console\_2 console\_3

console\_1

GROUP BY booking\_platform;

-- 12. Авиаалинии, где code содержит цифру

SELECT \* FROM airline\_info

WHERE airline\_code ~ '[0-9]';

-- 13. Топ-5 самых новых авиаалиний

SELECT \* FROM airline\_info

ORDER BY created\_at DESC

LIMIT 5;

Services

default 29 ms

console\_3 369 ms

console\_1 409 ms

console 14 ms

console\_6

console\_16 1 s 806 ms

console\_17 47 ms

console\_4

console\_15

console\_12

console\_7

console\_13

console\_11

console\_2

console\_14

Output 13. Топ-5 самых новых авиаалиний

airline\_id airline\_code airline\_name airline\_country created\_at update\_at

1 21 LH Lufthansa Germany 2025-09-28 17:05:10.379047 2025-09-28 17:05:10.379047

2 19 KC Air Astana Kazakhstan 2025-09-28 17:05:10.379047 2025-09-28 17:05:10.379047

3 20 SU Aeroflot Russia 2025-09-28 17:05:10.379047 2025-09-28 17:05:10.379047

4 11 SU Aeroflot Russia 2025-09-28 17:04:58.597757 2025-09-28 17:04:58.597757

5 10 KC Air Astana Kazakhstan 2025-09-28 17:04:58.597757 2025-09-28 17:04:58.597757

5 rows

Database Consoles > postgres@localhost > console\_1

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Database Explorer

postgres@localhost

- baggage\_check
- boarding\_pass
- booking
  - columns 8
  - keys 1
  - foreign keys 2
  - indexes 1
- booking\_flight
- flights

console console\_1 console\_2 console\_3

console\_1

61 LIMIT 5;  
62  
63 -- 14. booking\_id 200-300, где check\_result <> 'Checked'  
64 ✓ SELECT bc.\*  
65 FROM baggage\_check bc  
66 WHERE booking\_id BETWEEN 200 AND 300  
67 AND check\_result <> 'Checked';  
68  
69 -- 15. Проверки багажа, где updated\_at в том же месяце,  
70 -- но раньше created\_at  
71 SELECT

Services

default 29 ms  
console\_3 369 ms  
console\_1 411 ms  
console 14 ms  
console\_6  
console\_16 1 s 806 ms  
console\_17 47 ms  
console\_4  
console\_15  
console\_12  
console\_7  
console\_13  
console\_11  
console\_2  
console\_14

Output 14. booking\_id 200-3...k\_result <> 'Checked' ×

baggage\_check\_id check\_result created\_at updated\_at booking\_id passenger\_id

0 rows

Database Consoles > postgres@localhost > console\_1

64:8 CRLF UTF-8 4 spaces ENG 22:14 28.09.2025

Database Explorer

postgres@localhost

- baggage\_check
- boarding\_pass
- booking
  - columns 8
  - keys 1
  - foreign keys 2
  - indexes 1
- booking\_flight
- flights

Services

- default 29 ms
- console\_3 369 ms
- console\_1 421 ms
- console 14 ms
- console\_6
- console\_16 1 s 806 ms
- console\_17 47 ms
- console\_4
- console\_15
- console\_12
- console\_7
- console\_13
- console\_11
- console\_2
- console\_14

consoleconsole\_1console\_2console\_3

Tx: AutoPlaygroundpostgres.public

```
67 AND check_result <> 'Checked';
68
69 -- 15. Проверки багажа, где updated_at в том же месяце,
70 -- но раньше created_at
71 SELECT *
72 FROM baggage_check
73 WHERE DATE_TRUNC('month', updated_at) = DATE_TRUNC('month', created_at)
74 AND updated_at < created_at;
75
```

Outputно раньше created\_at

	baggage_check_id	check_result	created_at	updated_at	booking_id
1	18	Pending	2024-01-05 09:00:00.000000	2024-01-05 08:50:00.000000	3
2	25	Pending	2024-01-05 09:00:00.000000	2024-01-05 08:50:00.000000	3
3	28	Pending	2024-01-05 09:00:00.000000	2024-01-05 08:50:00.000000	3
4	31	Pending	2024-01-05 09:00:00.000000	2024-01-05 08:50:00.000000	3

4 rows

Database Consoles > postgres@localhost > console\_1

72:4CRLFUTF-84 spacesENG22:1428.09.2025