

lab-2

Version control

console

postgres.public

1

2

3

4

Select *

from passengers

where first_name = last_name;

Services

Database

postgres

console 1 337 ms

Output

postgres.public.passengers

passenger_id : first_name : last_name : date_of_birth : gender : country_of_cit

0 rows

Database Consoles > postgres > console

16°C Mostly cloudy

Поиск

3:30 CRLF UTF-8 4 spaces

6:13 AM 9/29/2025

lab-2

Version control

console

postgres public

1 select distinct last_name

2 from passengers;

Services

Database

postgres

console .411 ms

Output postgres.public.passengers

last_name

15 LastName_42

16 LastName_25

17 LastName_1

18 LastName_9

19 LastName_31

20 LastName_19

21 LastName_40

22 LastName_38

23 LastName_32

24 LastName_43

25 LastName_16

26 LastName_50

27 LastName_17

28 LastName_30

29 LastName_22

30 LastName_23

31 LastName_36

32 LastName_49

50 rows

Database Consoles > postgres > console

16°C Mostly cloudy

Поиск

2:17 CRLF UTF-8 4 spaces

5:14 AM 9/29/2025

lab-2Version control

console

postgres public

select *
from passengers
where gender = 'Male' and date_of_birth between '2000-01-01' AND '2025-12-31';

Services

Database
postgres
console 438 ms

Output postgres.public.passengers

	passenger_id	first_name	last_name	date_of_birth	gender	country_of
1	4	FirstName_4	LastName_4	2019-01-02	Male	Germany
2	5	FirstName_5	LastName_5	2013-12-27	Male	France
3	8	FirstName_8	LastName_8	2005-04-02	Male	UK
4	13	FirstName_13	LastName_13	2007-01-06	Male	UK
5	15	FirstName_15	LastName_15	2012-07-09	Male	France
6	16	FirstName_16	LastName_16	2005-03-06	Male	USA
7	20	FirstName_20	LastName_20	2013-06-26	Male	Canada
8	22	FirstName_22	LastName_22	2014-01-14	Male	Germany
9	24	FirstName_24	LastName_24	2015-01-29	Male	France
10	32	FirstName_32	LastName_32	2017-12-24	Male	USA
11	36	FirstName_36	LastName_36	2011-12-05	Male	UK
12	42	FirstName_42	LastName_42	2013-10-12	Male	USA
13	44	FirstName_44	LastName_44	2011-07-09	Male	USA

Database Consoles > postgres > console3:18CRLFUTF-84 spaces

Database Explorer

postgres (1 of 4)

- postgres (1 of 4)
- Server Objects
 - roles 14
 - tablespaces 2

Services

Tx: Auto

console 355 ms

console

```
1 SELECT f.*
2 FROM flights f
3 JOIN airport a 1..n<->1: ON f.arriving_airport_id = a.airport_id
4 WHERE a.country = 'USA';
```

Output

postgres.public.flights

postgres.public.flights 2

	flight_id	sch_departure_time	sch_arrival_time	departing_airport_id	arriving
1	4	2026-01-08 19:53:02.468375	2026-01-15 00:17:07.934236		42
2	9	2026-01-14 01:03:49.472006	2026-09-20 19:16:37.188010		161
3	10	2025-10-04 06:13:14.885060	2025-10-08 09:59:45.563726		31
4	17	2026-02-11 00:04:32.491588	2026-06-08 16:52:30.886756		117
5	19	2026-03-21 10:33:54.169544	2026-08-14 19:12:21.788069		153
6	26	2026-04-16 21:11:23.460654	2026-09-18 09:49:33.548377		99
7	28	2025-11-15 20:49:40.295729	2026-04-10 14:09:12.758567		90
8	54	2025-10-21 08:56:44.967164	2026-01-02 03:36:43.351455		73
9	56	2025-11-05 18:53:46.983830	2026-01-09 00:31:18.726172		68
10	59	2026-04-26 06:42:44.821699	2025-12-27 18:57:22.074733		44
11	64	2025-10-24 22:17:02.813014	2026-04-07 07:15:11.224330		63
12	65	2026-03-01 11:43:13.676434	2026-08-31 20:53:20.613299		26
13	77	2026-03-14 10:25:28.394747	2026-03-28 01:34:21.623855		95
14	81	2026-01-30 15:34:58.105842	2026-01-30 07:13.021146		92
15	83	2026-09-20 08:17:14.630604	2026-09-20 07:31.295288		181

Database Explorer

postgres 1 of 4

postgres 1 of 3

Server Objects

roles 14

tablespaces 2

console x airline

postgres public

1 ✓ select airline_name

2 from airline

3 WHERE airline_country = 'Kazakhstan';

Services

Database

postgres

airline 332 ms

console 362 ms

Output postgres.public.airline 2 postgres.public.airline

airline_name

1 Air alstana

1 row

Database Consoles > postgres > console 11 CRLF UTF-8 4 spaces

Database Explorer

postgres [1 of 4]

postgres [1 of 3]

Server Objects

roles 14

tablespaces 2

console x

airline

Tx: Auto

Playground

postgres.public

1 update booking

2 set ticket_price = ticket_price * 0.9

3 where created_at < now();

Services

Database

postgres 332 ms

airline 332 ms

console 18 ms

from airline

WHERE airline_country = 'Kazakhstan'

[2025-09-29 07:11:17] 1 row retrieved starting from 1 in 351 ms (execution: 3 ms, fetching: 348 ms)

[2025-09-29 07:13:43] postgres.public> update booking

set ticket_price = ticket_price * 0.9

where created_at < now();

[2025-09-29 07:13:43] 94 rows affected in 8 ms

Database Consoles > postgres > console

3/26 CRLF UTF-8 4 spaces

19°C Partly sunny

Поиск

715 AM 9/29/2025

Database Explorer

postgres

airline

airport

baggage

baggage_check

boarding_pass

booking

booking_flight

flights

passengers

security_check

Services

Database

postgres

airline 332 ms

console 378 ms

baggage.sql [session: baggage.sql] 56 ms

baggage 331 ms

console baggage airline

1 select * from baggage

2 where weight_in_kg > 25.00

3 order by weight_in_kg desc

4 limit 3;

5

Output postgres.public.baggage

baggage_id Y

weight_in_kg Y

created_at Y

updated_at Y

booking_id Y

1	11	32.00	2025-09-29 02:34:32.321748	2025-09-29 02:34:32.321748	1
2	12	30.50	2025-09-29 02:34:32.321748	2025-09-29 02:34:32.321748	2
3	13	29.80	2025-09-29 02:34:32.321748	2025-09-29 02:34:32.321748	3

3 rows

Database Consoles > postgres > console

SUM: 13 3:1 5:1 CRLF UTF-8 4 spaces

Database Explorer

- postgres
 - airline
 - airport
 - baggage
 - baggage_check
 - boarding_pass
 - booking
 - booking_flight
 - flights
 - passengers
 - security_check

Services

Transaction: Tx: Auto

console

```
1 select first_name, last_name
2 from passengers
3 where date_of_birth = (select max(date_of_birth) from passengers);
```

Output

first_name	last_name
FirstName_4	LastName_4

1 row

Database Explorer

postgres

airline

airport

baggage

baggage_check

boarding_pass

booking

booking_flight

flights

passengers

security_check

users

Services

Database

postgres

airline 332 ms

booking 434 ms

console 351 ms

baggage.sql [session: baggage.sql] 56 ms

baggage 331 ms

console

booking

baggage

airline

postgres public

SELECT

booking_platform,

MIN(ticket_price) as cheapest_price

FROM booking

GROUP BY booking_platform;

Output

Result 117

postgres.public.passengers

booking_platform

cheapest_price

1 OnLine

9811.23

2 Travel Agent

10168.89

3 Airport

9262.83

4 Mobile App

11402.98

4 rows

6:27

CRLF

UTF-8

4 spaces

Database Explorer

postgres

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

Services

Database

- postgres
 - airline 332 ms
 - booking 434 ms
 - console 414 ms
 - baggage.sql [session: baggage.sql] 56 ms
 - baggage 331 ms

console

```
1 select *
2 from airline
3 where airline_code = 'KZ';
```

Output postgres.public.airline

	airline_id	airline_code	airline_name	airline_country	created_at
1	4	KZ	KazAir	Turkey	2025-09-23 17:28:31.65238
2	9	KZ	Air alstana	Kazakhstan	2025-09-29 02:11:16.71677

2 rows

Database Explorer

postgres

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

Services

Database

- postgres
 - airline 332 ms
 - booking 434 ms
 - console 378 ms
 - baggage.sql [session: baggage.sql] 56 ms
 - baggage 331 ms

console

- booking
- baggage
- airline

```
1 SELECT *
2 FROM airline
3 ORDER BY created_at DESC
4 LIMIT 5;
```

Output postgres.public.airline

- airline_id
- airline_code
- airline_name
- airline_country
- created_at

1	9	KZ	Air alstana	Kazakhstan	2025-09-29 02:11:16.716773
2	8	Ch	Fly arystan	China	2025-09-29 01:50:26.973228
3	5	AE	AirEasy	France	2025-09-23 17:29:05.224120
4	6	FH	FlyHigh	Brazil	2025-09-23 17:29:05.224120
5	7	FF	FlyFly	Poland	2025-09-23 17:29:05.224120

5 rows

Database Consoles > postgres > console4:9 CRLF UTF-8 4 spaces

Database Explorer

postgres

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

console

```
1 SELECT *
2 FROM baggage_check
3 WHERE EXTRACT(YEAR FROM updated_at) = EXTRACT(YEAR FROM created_at)
4 AND EXTRACT(MONTH FROM updated_at) = EXTRACT(MONTH FROM created_at)
5 AND updated_at < created_at;
```

Services

Database

- postgres
 - airline 332 ms
 - booking 434 ms
 - console 371 ms
 - baggage.sql [session: baggage.sql] 56 ms
 - baggage 331 ms

Output postgres.public.baggage_check

	baggage_check_id	check_result	created_at	updated_at	booking_id
1	4	Pending	2024-12-15 14:00:00.000000	2024-12-10 10:00:00.000000	
2	5	Pending	2024-12-20 16:00:00.000000	2024-12-18 12:00:00.000000	

2 rows

Database Consoles > postgres > console

5:31 CRLF UTF-8 4 spaces