

LWlaboratory_work2 ▾Version control ▾

Database Explorer

fank_emp

public

tables 11

airline

airport

baggage

baggage_check

boarding_pass

booking

booking_flight

flights

passanger_me

passengers

security_check

Database Objects

postgres 1 of 3

console_1 ×

lab2.public ▾

SELECT *

FROM passengers

WHERE LOWER(TRIM(first_name)) = LOWER(TRIM(last_name));

Services

Database

fank_emp

console_1 447 ms

Output lab2.public.passengers ×

passenger_id ▾

first_name ▾

last_name ▾

date_of_birth ▾

gender ▾

country_of_citizenship ▾

country_of_re

1	201	Aigerim	Aigerim	1999-05-14	female	Kazakhstan	Kazakhstan
2	202	Ivan	Ivan	1990-01-01	male	Russia	Russia
3	203	Anna	Anna	1995-02-10	female	Kazakhstan	Kazakhstan

3 rows ▾

Database Consoles > fank_emp > console_1

4:1CRLFUTF-84 spaces

Поиск

01:3401.10.2025

LWlaboratory_work2 ▾

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pg_catalog

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Database Objects

postgres 1 of 3

Server Objects

console_1

console_3 ▾

1 ✓

2

3

SELECT DISTINCT last_name

FROM passengers

ORDER BY last_name;

console_3 - console_3

lab2.public

lab2.public.passengers

last_name

1 Aigerim

2 Akhmetov

3 Anna

4 Brown

5 Garcia

6 Ivan

7 Ivanov

8 Kim

9 Lee

10 Petrov

11 Smirnov

12 Suleimenov

13 Zhaksylyk

13 rows ▾

Tx

Database

fank_emp

console_3 523 ms

console_1 447 ms

[2025-10-01 01:37:40] Connected to lab2

[2025-10-01 01:37:40] lab2.public> SELECT DISTINCT last_name

FROM passengers

ORDER BY last_name

[2025-10-01 01:37:41] 13 rows retrieved starting from 1 in 399 ms (execution: 12 ms, fetching: 387 ms)

Database Consoles > fank_emp > console_3

3:20 CRLF UTF-8 4 spaces

01:38 01.10.2025

Database Explorer

fank_emp

pg_catalog

public

tables 11

airline

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baggage

baggage_check

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flights

passanger_me

passengers

security_check

Database Objects

postgres 1 of 3

Server Objects

Services

Tx

fank_emp

console_3 523 ms

console_1 447 ms

passengers 514 ms

console_4 460 ms

Database Consoles

fank_emp

console_4

console_1

console_3

console_4

passenger

SELECT *

FROM passengers

WHERE gender = 'male'

AND date_of_birth >= '1990-01-01'

AND date_of_birth < '2001-01-01'

console_4 - console_4

lab2.public.passengers

name

date_of_birth

gender

country_of_citizenship

1

v

1995-12-04

male

Germany

2

yk

1997-12-18

male

USA

3

1995-08-29

male

Germany

4

yk

1990-08-14

male

USA

5

yk

1993-05-15

male

Turkey

6

1996-07-08

male

Turkey

7

1994-06-05

male

USA

8

nov

1991-04-12

male

Poland

9

1993-10-24

male

USA

10

1997-06-06

male

Germany

11

nov

1997-04-08

male

Russia

12

2000-10-08

male

Turkey

13

1999-04-17

male

Turkey

14

2000-11-27

male

USA

15

1995-06-20

male

Germany

16

nov

1995-02-25

male

Turkey

17

1999-01-15

male

Turkey

18

yk

1991-06-04

male

Russia

19

1996-05-29

male

Russia

20

1990-01-01

male

Russia

20 rows

[2025-10-01 01:42:08] lab2.public> SELECT *

FROM passengers

WHERE gender = 'male'

AND date_of_birth

AND date_of_birth

[2025-10-01 01:42:09] 20 rows retrieved starting from 1

Поиск

01:42

01.10.2025

LWlaboratory_work2 ▾

Version control ▾

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Database Explorer

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DDL

>

fank_emp

pg_catalog

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airline

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baggage_check

boarding_pass

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flights

passanger_me

passengers

security_check

Database Objects

postgres 1 of 3

Server Objects

console_1

console_3

console_4

console_5

console_6 ×

flights

airport

⋮

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Tx: Auto ▾

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Playground ▾

1 ✓

2

3

4

```
SELECT flights.*
FROM flights
JOIN airport 1.n<->1: ON airport.airport_id = flights.arriving_airport_id
WHERE airport.country = 'China';
```

console_6 - console_6

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⋮

lab2.public.flights ×

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Tx: Auto ▾

DDL

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CSV ▾

>

flight_id ▾

sch_departure_time ▾

sch_arrival_time ▾

0 rows ▾

⋮

Services

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airport 482 ms

console_5 555 ms

console_1 447 ms

console_4 460 ms

console_6 384 ms

[2025-10-01 02:04:47] 0 rows retrieved in 441 ms (execution: 32 ms, fetching: 409 ms)

[2025-10-01 02:05:09] lab2.public> SELECT flights.*

FROM flights

JOIN airport ON airport.airport_id = flights.arriving_airport_id

WHERE airport.country = 'China'

[2025-10-01 02:05:09] 0 rows retrieved in 353 ms (execution: 5 ms, fetching: 348 ms)

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Database Consoles > fank_emp > console_6

4:33 CRLF UTF-8 4 spaces 📄 🔔

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🔍 Поиск

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🖨️

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01.10.2025

LWlaboratory_work2 ▾

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Database Explorer

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DDL

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fank_emp

py_catalog

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Database Objects

postgres 1 of 3

Server Objects

console_1

console_3

console_4

console_5

console_6

console_7 ×

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Tx: Auto ▾

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Playground ▾

1 ✓

2

3

4

5

6

7

8

SELECT *

from airline

where airline_country IN ('France','Portugal','Poland')

AND created_at >= '2023-11-01 00:00:00'

AND created_at < '2024-03-31 00:00:00';

console_7 - console_7

lab2.public.airline ×

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Tx: Auto ▾

DDL

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CSV ▾

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	airline_id ▾	airline_code ▾	airline_name ▾	airli
1	210	ALN205	FlyFly	France
2	211	ALN206	FlyFly	Poland
3	212	ALN207	FlyFly	Portuga
4	214	ALN209	FlyFly	Poland

4 rows ▾ ⋮

Services

Tx

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console_5 555 ms

console_1 447 ms

console_7 422 ms

console_4 460 ms

console_6 384 ms

[2025-10-01 02:22:39] lab2.public> SELECT *

from airline

where airline_country IN ('France','Portugal','Poland')

AND created_at >= '2023-11-01 00:00:00'

AND created_at < '2024-03-31 00:00:00'

[2025-10-01 02:22:39] 4 rows retrieved starting from 1 in 389 ms (execution: 16 ms, fetching: 373 ms)

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Database Consoles > fank_emp > console_7

8:1 CRLF UTF-8 4 spaces

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02:22 01.10.2025 📶 🔊 🔌

LWlaboratory_work2 ▾

Version control ▾

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Database Explorer

console_3 console_4 console_5 console_6 console_7 console_8 console_9 × booking flights airline ▾ ⋮

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▶ ⌚ Ⓟ ⚙ ⌚ Tx: Auto ▾ ■ Playground ▾ lab2.public ▾

fank_emp

pg_catalog

public

tables 11

> airline

> airport

> baggage

> baggage_check

> boarding_pass

> booking

> booking_flight

> flights

> passanger_me

> passengers

> security_check

> Database Objects

> postgres 1 of 3

> Server Objects

1 ✓

2

3

4

UPDATE booking

SET ticket_price = ROUND(ticket_price * 0.90,2),

⚡ updated_at = NOW()

WHERE created_at < TIMESTAMP '11-01-2023';

✓

Services

Tx + 👁 ⌕ ×

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booking 394 ms

console_7 422 ms

flights 388 ms

console_9 133 ms

console_4 460 ms

console_6 384 ms

[2025-10-01 02:41:05] Connected to lab2

[2025-10-01 02:41:05] lab2> UPDATE booking

SET ticket_price = ROUND(ticket_price * 0.90,2),

updated_at = NOW()

WHERE created_at < TIMESTAMP '11-01-2023'

[2025-10-01 02:41:05] completed in 21 ms

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Database Consoles > fank_emp > console_9 > <Injected SQLDateTime file>

4:35 CRLF UTF-8 4 spaces 📄 🔔

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LWlaboratory_work2

Version control

Database Exp

console_3console_4console_5console_6console_7console_8console_9 ×bookingflightsairline

fank_emp

pg_catalog

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tables 11

airline

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baggage

baggage_check

boarding_pass

booking

booking_flight

flights

passanger_me

passengers

security_check

Database Objects

postgres 1 of 3

Server Objects

1 ✓

2

3

4

SELECT booking_id, ticket_price, created_at

from booking

where created_at < '2023-11-01'

-- I dont have a data below 2023

console_9 - console_9

lab2.public.booking

DDL

CSV

booking_id

ticket_price

created_at

0 rows

Services

Tx

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booking 394 ms

console_7 422 ms

flights 388 ms

console_9 482 ms

console_4 460 ms

console_6 384 ms

WHERE created_at < TIMESTAMP '11-01-2023'

[2025-10-01 02:41:05] completed in 21 ms

[2025-10-01 02:43:07] lab2.public> SELECT booking_id, ticket_price, created_at

from booking

where created_at < '2023-11-01'

[2025-10-01 02:43:08] 0 rows retrieved in 406 ms (execution: 0 ms, fetching: 406 ms)

Database Consoles > fank_emp > console_9

4:33 CRLF UTF-8 4 spaces

02:44 01.10.2025

LW laboratory_work2

Version control

Database Explorer

fank_emp 2

lab2 3

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booking_flight

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passengers

security_check

Database Objects

console_3 console_4 console_5 console_6 console_7 console_8 console_9 console_10 baggage booking

SELECT *
from baggage
where weight_in_kg > 25
limit 3;

console_10 - console_10

lab2.public.baggage

	baggage_id	weight_in_kg	created_at	updated_at
1	16	26.00	2025-09-23 20:06:27.023924	2025-09-23 20:06:27.0239
2	17	27.00	2025-09-23 20:06:27.023924	2025-09-23 20:06:27.0239
3	18	28.00	2025-09-23 20:06:27.023924	2025-09-23 20:06:27.0239

3 rows

Services

Database

fank_emp

console_10 519 ms

console_3 523 ms

console_5 555 ms

console_8 603 ms

[2025-10-01 02:46:26] Connected to lab2

[2025-10-01 02:46:26] lab2.public> SELECT *
from baggage
where weight_in_kg > 25
limit 3

[2025-10-01 02:46:27] 3 rows retrieved starting from 1 in 395 ms (execution: 6 ms, fetching: 389 ms)

Database Consoles > fank_emp > console_10

4:9 CRLF UTF-8 4 spaces

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LWlaboratory_work2 ▾

Version control ▾

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Database Explorer

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DDL

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fank_emp 2

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lab2 3

▼

information_schema

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pg_catalog

▼

public

▼

tables 11

>

airline

>

airport

>

baggage

>

baggage_check

>

boarding_pass

>

booking

>

booking_flight

>

flights

>

passanger_me

>

passengers

>

security_check

>

Database Objects

>

postgres 1-6

sole_6

console_7

console_8

console_9

console_10

console_11

console_12 ×

passengers

baggage

booking ▾

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Tx: Auto ▾

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Playground ▾

1 ✓

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SELECT booking_platform, MIN(ticket_price) as min_price

from booking

GROUP BY booking_platform

ORDER BY booking_platform;

console_12 - console_12

×

lab2.public ▾

Result 1 ×

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CSV ▾

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📄 booking_platform ▾

📄 min_price ▾

1

platform_1

11503.45

2

platform_2

11501.15

3

platform_3

11502.3

3 rows ▾

⋮

Services

Tx

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console_10 519 ms

console_11 610 ms

console_12 594 ms

console_3 523 ms

console_5 555 ms

console_8 603 ms

[2025-10-01 02:54:21] Connected to lab2

[2025-10-01 02:54:21] lab2.public> SELECT booking_platform, MIN(ticket_price) as min_price

from booking

GROUP BY booking_platform

ORDER BY booking_platform

[2025-10-01 02:54:21] 3 rows retrieved starting from 1 in 464 ms (execution: 14 ms, fetching: 450 ms)

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Database Consoles > fank_emp > console_12

4:27 CRLF UTF-8 4 spaces

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Поиск

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01.10.2025

LW laboratory_work2 ▾Version control ▾

Database Explorer

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DDL

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security_check

Services

Tx

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console_8

console_6

console_13 2 s 207 ms

console_11

console_7

console_12

console_3

le_5 console_6 console_7 console_8 console_9 console_10 console_11 console_12 console_13

▶ ⌚ Ⓟ ⚙ 🖨 Tx: Auto ▾ Playground ▾

1 ✓

2

3

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SELECT *

from airline

where airline_code ~ '\d'

order by airline_id

console_13 - console_13

lab2.public.airline ×

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	airline_id ▼	airline_code ▼	airline_name ▼	airli
1	1	AL1	Air 1	France
2	2	AL2	Air 2	Japan
3	3	AL3	Air 3	France
4	4	AL4	Air 4	Japan
5	5	AL5	Air 5	USA
6	6	AL6	Air 6	Brazil
7	7	AL7	Air 7	USA
8	8	AL8	Air 8	Poland
9	9	AL9	Air 9	USA
10	10	AL10	Air 10	Japan
11	11	AL11	Air 11	Japan
12	12	AL12	Air 12	Spain
13	13	AL13	Air 13	France
14	14	AL14	Air 14	Brazil
15	15	AL15	Air 15	UK

210 rows ▾ ⋮

[2025-10-01 03:16:12] Connected to lab2

[2025-10-01 03:16:12] lab2.public> SELECT *

from airline

where airline_code ~ '\d'

order by airline_id

[2025-10-01 03:16:13] 210 rows retrieved starting from 1 in 728 ms (execution: 18 ms, fetching: 710 ms)

Database Consoles > fank_emp > console_13

4:12 CRLF UTF-8 4 spaces 📄 🔔

03:16 01.10.2025

Database Explorer

fank_emp 2

lab2 3

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Services

Tx

console_9

console_1

console_14 724 ms

console_5

console_8

console_6

console_13 2 s 207 ms

console_11

console_5

console_6

console_7

console_8

console_9

console_10

console_11

console_12

console_13

console_14

SELECT *

from airline

ORDER BY created_at DESC

limit 5;

console_14 - console_14

lab2.public.airline

airline_id

airline_code

airline_name

airline_country

created_at

1

209

FLY

FlyFly

Poland

2025-09-23 20:26:43.7346

2

208

FLH

FlyHigh

Brazil

2025-09-23 20:26:43.7346

3

207

AEZ

AirEasy

France

2025-09-23 20:26:43.7346

4

206

KZ1

KazAir

Turkey

2025-09-23 20:26:43.6822

5

204

KZ1

KazAir

Turkey

2025-09-23 20:24:01.9493

5 rows

[2025-10-01 03:17:30] Connected to lab2

[2025-10-01 03:17:30] lab2.public> SELECT *

from airline

ORDER BY created_at DESC

limit 5

[2025-10-01 03:17:30] 5 rows retrieved starting from 1 in 429 ms (execution: 12 ms, fetching: 417 ms)

Database Consoles > fank_emp > console_14

1:1 (57 chars, 3 line breaks) CRLF UTF-8 4 spaces

03:17 01.10.2025

LWlaboratory_work2Version control

Database Explorer

fank_emp 2

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booking_

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passenge

security

console_7console_8console_9console_10console_11console_12console_13console_14console_15 ×baggage_check

1 ✓234

SELECT *
FROM baggage_check
WHERE booking_id BETWEEN 200 AND 300
AND check_result <> 'Checked';

console_15 - console_15

lab2.public.baggage_check ×

baggage_check_idcheck_resultcreated_at

1200OK2025-09-23 20:06:27.0774822025

1 row

Services

Tx + -

console_5

console_8

console_6

console_13 2 s 207 ms

console_15 438 ms

console_11

console_7

console_12

WHERE booking_id BETWEEN 200 AND 300
AND check_result <> 'OK'

[2025-10-01 03:20:13] 0 rows retrieved in 372 ms (execution: 15 ms, fetching: 357 ms)

[2025-10-01 03:20:24] lab2.public> SELECT *
FROM baggage_check
WHERE booking_id BETWEEN 200 AND 300
AND check_result <> 'Checked'

[2025-10-01 03:20:25] 1 row retrieved starting from 1 in 378 ms (execution: 9 ms, fetching: 369 ms)

Database Consoles > fank_emp > console_15

4:33 CRLF UTF-8 4 spaces

03:20 01.10.2025

LWlaboratory_work2Version control

Database Explorer

fank_emp 2

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security

console_7console_8console_9console_10console_11console_12console_13console_14console_15console_16

Playground

lab2.public

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

console_16 - console_16

lab2.public.baggage_check

baggage_check_idcheck_resultcreated_at

0 rows

Services

console_8console_6console_13 2 s 207 msconsole_15 438 msconsole_16 653 msconsole_11console_7console_12

[2025-10-01 03:21:41] Connected to lab2
[2025-10-01 03:21:41] lab2.public> SELECT *
FROM baggage_check
WHERE DATE_TRUNC('month', updated_at) = DATE_TRUNC('month', created_at)
AND updated_at < created_at
[2025-10-01 03:21:42] 0 rows retrieved in 369 ms (execution: 13 ms, fetching: 356 ms)

Database Consoles > fank_emp > console_16

4:29CRLFUTF-84 spaces

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