

mydb

Version control

Database Explorer

postgres@localhost 1 of 4

postgres 1 of 3

public

tables 10

airline

airport

baggage

baggage\_check

boarding\_pass

booking

booking\_flight

flights

passengers

security\_check

views 1

Services

Tx

airline

airline

console 18 ms

flights 424 ms

flights

flights

flights 424 ms

corrected\_booking\_inserts.sql 301 ms

booking 437 ms

booking

console

flights

create view flights\_on\_date as

select \*

from flights

where scheduled\_departure::date = '2024-01-22'

Output

postgres.public.flights\_on\_date

e\_id

status

actual\_departure

actual\_arrival

created\_at

update\_at

0 rows

Database Consoles > postgres@localhost > console

4:47 CRLF UTF-8 4 spaces

0:22 19.11.2025

mydbVersion control

Database Explorer

postgres@localhost1 of 4

postgres1 of 3

public

tables10

airline

airport

baggage

baggage\_check

boarding\_pass

booking

booking\_flight

flights

passengers

Services

Tx

airline

airline

console433 ms

flights424 ms

flights

flights424 ms

corrected\_booking\_inserts.sql301 ms

booking437 ms

booking

booking

airport384 ms

consoleflights

select \* from flights\_on\_date

Outputpostgres.public.flights\_on\_date

	flight_id	flight_no	scheduled_departure	scheduled_arrival	departure_airport
1	1	US-CT	2024-01-22	2023-09-08	
2	25	MZ-P	2024-01-22	2023-09-05	
3	308	PK-PB	2024-01-22	2024-01-20	
4	407	US-AZ	2024-01-22	2023-06-17	
5	470	ID-JI	2024-01-22	2023-04-14	
6	555	US-MD	2024-01-22	2023-08-13	
7	599	ID-PB	2024-01-22	2023-04-10	

7 rows

Database Consoles > postgres@localhost > console

1:30CRLFUTF-84 spaces

0:2319.11.2025

mydb Version control

Database Explorer

postgres@localhost 1 of 4

postgres 1 of 3

public

tables 10

airline

airport

baggage

baggage\_check

boarding\_pass

booking

booking\_flight

flights

passengers

Services

Tx

airline

airline

console 405 ms

flights 424 ms

flights

flights

flights 424 ms

corrected\_booking\_inserts.sql 301 ms

booking 412 ms

booking

booking

booking 412 ms

booking console booking\_flight flights

1 ✓ select \* from flights where scheduled\_departure > current\_date --no sch\_dep for the future ✓

Output postgres.public.flights

flight\_id flight\_no scheduled\_departure scheduled\_arrival departure\_airport\_id

0 rows

Database Consoles > postgres@localhost > console

1:91 CRLF UTF-8 4 spaces

Поиск

0:34 19.11.2025

mydb Version control

Database Explorer

postgres@localhost 1 of 4

postgres 1 of 3

public

tables 10

airline

airport

baggage

baggage\_check

boarding\_pass

booking

booking\_flight

flights

passengers

security\_check

views 5

Database Objects

Server Objects

console airline flights

console

create or replace view airline\_flights\_next\_week as  
select f.flight\_id, f.flight\_no, f.scheduled\_departure  
from flights f  
join airline a on f.airline\_id = a.airline\_id  
where a.airline\_name = 'IPC'  
and f.scheduled\_departure between current\_date and current\_date + interval '7 days'

Services

postgres@localhost

airline 1 s 843 ms

airline

airline

airline 1 s 843 ms

console 16 ms

flights 424 ms

[2025-11-19 00:41:08] postgres.public> create or replace view airline\_flights\_next\_week as  
select f.flight\_id, f.flight\_no, f.scheduled\_departure  
from flights f  
join airline a on f.airline\_id = a.airline\_id  
where a.airline\_name = 'IPC'  
and f.scheduled\_departure between current\_date and current\_date + interval '7 days'  
[2025-11-19 00:41:08] completed in 4 ms

Database Consoles > postgres@localhost > console 6:84 CRLF UTF-8 4 spaces 0:41 19.11.2025



mydb

Version control

Database Explorer

postgres@localhost

postgres

public

Services

postgres@localhost

airline

flights

console

corrected\_booking\_inserts.sql

booking

airport

passengers

console

airline

flights

select \* from airline\_flights

Output

postgres.public.airline\_flights

	flight_id	flight_no	scheduled_departure
1	13	BR-PE	2024-01-16
2	33	MZ-G	2023-09-21
3	36	AU-NT	2023-03-29
4	73	FR-K	2023-12-26
5	78	US-VT	2023-08-28
6	143	PH-BUK	2023-08-20
7	170	SD-01	2023-12-02
8	175	PA-8	2023-03-19
9	185	NA-KU	2023-06-26
10	221	US-CT	2023-11-07
11	222	RU-CU	2023-04-16
12	274	BE-VAN	2023-05-03
13	318	US-AK	2024-03-01
14	332	PG-NSB	2023-11-26
15	346	US-MS	2023-03-28
16	357	JP-41	2023-03-28

Database Consoles

postgres@localhost

console

1:30

CRLF

UTF-8

4 spaces

0:40

19.11.2025

mydb Version control

Database Explorer

postgres@localhost 1 of 4

postgres 1 of 3

public

tables 10

airline

airport

baggage

baggage\_check

boarding\_pass

booking

booking\_flight

flights

Services

Tx

postgres@localhost

airline 1 s 843 ms

airline

airline

airline 1 s 843 ms

console 357 ms

flights 424 ms

flights

flights

flights 424 ms

corrected\_booking\_inserts.sql 301 ms

booking 409 ms

console airline flights

select \* from airline\_flights\_next\_week --again no sch\_dep in the future (next week)

Output postgres.public.airl...ine\_flights\_next\_week

flight\_id flight\_no scheduled\_departure

0 rows

Database Consoles > postgres@localhost > console

1:85 CRLF UTF-8 4 spaces

0:43 19.11.2025

mydb

Version control

Database Explorer

postgres@localhost 1 of 4

postgres 1 of 3

public

tables 10

airline

airport

baggage

baggage\_check

boarding\_pass

booking

booking\_flight

flights

passengers

Services

Tx

airline

airline

console 22 ms

flights 424 ms

flights

flights

flights 424 ms

corrected\_booking\_inserts.sql 301 ms

booking 409 ms

booking

booking

booking

console

booking

booking\_flight

flights

postgres.public

create view top\_5\_routes as

select f.departure\_airport\_id, f.arrival\_airport\_id, count(b.booking\_id) as booking\_count

from flights f

join booking\_flight bf 1<->1.n: on f.flight\_id = bf.flight\_id

join booking b 1.n<->1: on bf.booking\_id = b.booking\_id

group by f.departure\_airport\_id, f.arrival\_airport\_id

order by booking\_count desc

limit 5;

Output

postgres.public.flights

flight\_id

flight\_no

scheduled\_departure

scheduled\_arrival

departure\_airport\_id

0 rows

Database Consoles > postgres@localhost > console

5:1 CRLF UTF-8 4 spaces

0:36 19.11.2025

mydb Version control

Database Explorer

postgres@localhost

- airport
- baggage
- baggage\_check
- boarding\_pass
- booking
- booking\_flight
- flights
- passengers
- security\_check
- views 2
- Database Objects
- Server Objects

Services

Tx

airline

airline

console 386 ms

flights 424 ms

- flights
- flights
- flights 424 ms

corrected\_booking\_inserts.sql 301 ms

booking 412 ms

- booking
- booking
- booking 412 ms

booking console booking\_flight flights

1 ✓ select \* from bookings\_next\_week --no info since there's no scheduled flights for the interval of next week ✓

Output postgres.public.bookings\_next\_week

booking\_id passenger\_id flight\_id scheduled\_departure

0 rows

Database Consoles > postgres@localhost > console

1:108 CRLF UTF-8 4 spaces

0:32 19.11.2025



mydb Version control

Database Explorer

postgres@localhost

- airport
- baggage
- baggage\_check
- boarding\_pass
- booking
- booking\_flight
- flights
- passengers
- security\_check
- views 2
- Database Objects
- Server Objects

Services

Tx

airline

airline

console 20 ms

flights 424 ms

- flights
- flights
- flights 424 ms

corrected\_booking\_inserts.sql 301 ms

booking 412 ms

- booking
- booking
- booking 412 ms

booking console booking\_flight flights

postgres.public

1 create view bookings\_next\_week as

2 select b.booking\_id, b.passenger\_id, f.flight\_id, f.scheduled\_departure

3 from booking b

4 join booking\_flight bf on b.booking\_id = bf.booking\_id

5 join flights f on bf.flight\_id = f.flight\_id

6 where f.scheduled\_departure between current\_date and current\_date + interval '7 days'

7

[2025-11-19 00:30:56] completed in 6 ms

[2025-11-19 00:30:59] postgres.public> create view bookings\_next\_week as

select b.booking\_id, b.passenger\_id, f.flight\_id, f.scheduled\_departure

from booking b

join booking\_flight bf on b.booking\_id = bf.booking\_id

join flights f on bf.flight\_id = f.flight\_id

where f.scheduled\_departure between current\_date and current\_date + interval '7 days'

[2025-11-19 00:30:59] completed in 3 ms

Database Consoles > postgres@localhost > console 7:1 CRLF UTF-8 4 spaces 0:31 19.11.2025



mydb

Version control

Database Explorer

postgres@localhost 1 of 4

postgres 1 of 3

public

tables 10

airline

airport

baggage

baggage\_check

boarding\_pass

booking

booking\_flight

flights

passengers

Services

Tx

postgres@localhost

airline 1 s 843 ms

airline

airline

airline 1 s 843 ms

console 24 ms

flights 424 ms

flights

flights

flights 424 ms

corrected\_booking\_inserts.sql 301 ms

booking 409 ms

console

airline

flights

postgres.public

create view airline\_flights as

select f.flight\_id, f.flight\_no, f.scheduled\_departure

from flights f

join airline a 1.n<=>1: on f.airline\_id = a.airline\_id

where a.airline\_name = 'IPC'

Output

postgres.public.top\_5\_routes

limit 5

[2025-11-19 00:36:13] completed in 10 ms

[2025-11-19 00:37:47] postgres.public> select \* from top\_5\_routes

[2025-11-19 00:37:47] 5 rows retrieved starting from 1 in 402 ms (execution: 5 ms, fetching: 397 ms)

[2025-11-19 00:39:37] postgres.public> create view airline\_flights as

select f.flight\_id, f.flight\_no, f.scheduled\_departure

from flights f

join airline a on f.airline\_id = a.airline\_id

where a.airline\_name = 'IPC'

[2025-11-19 00:39:37] completed in 10 ms

Database Consoles > postgres@localhost > console

5:29 CRLF UTF-8 4 spaces

0:39 19.11.2025

mydb Version control

Database Explorer

postgres@localhost 1 of 4

postgres 1 of 3

public

tables 10

airline

airport

baggage

baggage\_check

boarding\_pass

booking

booking\_flight

flights

passengers

Services

Tx

postgres@localhost

airline 404 ms

airline

airline

airline 404 ms

console 369 ms

flights 452 ms

flights

flights

flights 452 ms

corrected\_booking\_inserts.sql 301 ms

booking 429 ms

console airline flights booking booking\_flight

1 ✓ select \* from airline\_flights\_next\_week --added column price but no info cause of the same reason ✓

Output postgres.public.airline\_flights\_next\_week

flight\_id flight\_no scheduled\_departure price

0 rows

Database Consoles > postgres@localhost > console

1:22 19.11.2025



mydb Version control

Database Explorer

postgres@localhost 1 of 4

postgres 1 of 3

public

tables 10

airline

airport

baggage

baggage\_check

boarding\_pass

booking

booking\_flight

flights

Services

Tx

postgres@localhost

airline 1 s 843 ms

airline

airline

airline 1 s 843 ms

console 15 ms

flights 424 ms

flights

flights

flights 424 ms

corrected\_booking\_inserts.sql 301 ms

booking 409 ms

console airline flights

create view delayed\_flights as

select f.flight\_id, f.flight\_no, f.scheduled\_departure, f.actual\_departure

from flights f

where (f.actual\_departure - f.scheduled\_departure) > 1

[2025-11-19 00:58:17] [42883] ERROR: function pg\_catalog.extract(unknown, integer) does not exist

[2025-11-19 00:58:17] Подсказка: No function matches the given name and argument types. You might need to add explicit

[2025-11-19 00:58:17] Позиция: 131

[2025-11-19 00:59:38] postgres.public> SELECT column\_name, data\_type

FROM information\_schema.columns

WHERE table\_name = 'flights'

[2025-11-19 00:59:39] 14 rows retrieved starting from 1 in 645 ms (execution: 251 ms, fetching: 394 ms)

[2025-11-19 01:01:02] postgres.public> create view delayed\_flights as

select f.flight\_id, f.flight\_no, f.scheduled\_departure, f.actual\_departure

from flights f

where (f.actual\_departure - f.scheduled\_departure) > 1

[2025-11-19 01:01:02] completed in 15 ms

Database Consoles > postgres@localhost > console 4:55 CRLF UTF-8 4 spaces 1:01 19.11.2025



mydb Version control

Database Explorer

postgres@localhost 1 of 4

postgres 1 of 3

public

tables 10

airline

airport

baggage

baggage\_check

boarding\_pass

booking

booking\_flight

flights

passengers

Services

Tx

postgres@localhost

airline 404 ms

airline

airline

console 562 ms

flights 452 ms

flights

flights

corrected\_booking\_inserts.sql 301 ms

booking 429 ms

booking

booking

console

select table\_name

from information\_schema.views

where table\_schema = 'public'

Output postgres.information\_schema.views

table\_name

0 rows

Database Consoles > postgres@localhost > console 3:30 CRLF UTF-8 4 spaces 1:26 19.11.2025

mydb

Version control

Database Explorer

postgres@localhost

postgres

public

tables

airline

airport

baggage

baggage\_check

boarding\_pass

booking

booking\_flight

flights

passengers

Services

postgres@localhost

airline 404 ms

console 755 ms

flights 452 ms

corrected\_booking\_inserts.sql 301 ms

booking 429 ms

console

SELECT table\_name

FROM information\_schema.views

WHERE table\_schema = 'public'

Output

postgres.information\_schema.views

table\_name

1 flights\_on\_date

2 bookings\_next\_week

3 top\_5\_routes

4 airline\_flights

5 delayed\_flights

6 leffler\_thompson\_passengers

7 top\_10\_visited\_countries

8 airline\_flights\_next\_week

8 rows

Database Consoles > postgres@localhost > console

3:30

CRLF

UTF-8

4 spaces

1:23

19.11.2025



The screenshot displays the DBeaver database management tool interface. The top-left pane shows the 'Database Explorer' for a PostgreSQL database at 'postgres@localhost', listing tables like 'airline', 'airport', 'baggage', 'booking', and 'passengers'. The top-right pane shows the 'console' tab with a SQL query being executed: 'create view leffler\_thompson\_passengers as select p.first\_name, p.last\_name, p.country\_of\_citizenship from passengers p join booking b on p.passenger\_id = b.passenger\_id where b.booking\_platform = 'Leffler-Thompson'';'. The bottom-left pane shows the 'Services' tab with a list of transactions, including 'console 42 ms', 'flights 354 ms', and 'booking 429 ms'. The bottom-right pane shows the execution log and the SQL query being run.

Database Explorer

postgres@localhost

- tables 10
  - airline
  - airport
  - baggage
  - baggage\_check
  - boarding\_pass
  - booking
  - booking\_flight
  - flights
  - passengers
  - security\_check
- views 7
- Database Objects

Services

- airline
- airline
- console 421 ms
- flights 354 ms
  - flights
  - flights
- corrected\_booking\_inserts.sql 301 ms
- booking 429 ms
  - booking
  - booking
  - booking

console passengers booking

select \* from leffler\_thompson\_passengers

Output postgres.public.leff...r\_thompson\_passengers

	first_name	last_name	country_of_citizenship
1	Philbert	Shambroke	Colombia

Database Consoles > postgres@localhost > console1:42 CRLF UTF-8 4 spaces1:05 19.11.2025

The screenshot displays a database management interface with a dark theme. The top bar shows the database name 'mydb' and 'Version control' options. The left sidebar contains a 'Database Explorer' showing a schema with tables like 'airline', 'airport', 'baggage', 'baggage\_check', 'boarding\_pass', 'booking', 'booking\_flight', 'flights', 'passengers', and 'security\_check', along with a 'views' folder. Below this is a 'Services' section showing transaction logs for 'airline', 'flights', 'corrected\_booking\_inserts.sql', and 'booking'. The main area is a SQL console with a query editor. The query is as follows:

```
1 create view top_10_visited_countries as
2 select p.country_of_citizenship, count(b.booking_id) as visit_count
3 from passengers p
4 join booking b on p.passenger_id = b.passenger_id
5 group by p.country_of_citizenship
6 order by visit_count desc
7 limit 10
```

The console output shows the execution of the query, including the creation of the view and the retrieval of 10 rows. The bottom status bar indicates the current database is 'postgres@localhost' and the console is active. The system tray at the bottom shows the date and time as 19.11.2025, 1:07.

mydb Version control

Database Explorer

postgres@localhost 1 of 4

postgres 1 of 3

public

tables 10

airline

airport

baggage

baggage\_check

boarding\_pass

booking

booking\_flight

flights

passengers

Services

Tx

airline

airline 404 ms

console 26 ms

flights 452 ms

flights

flights 452 ms

corrected\_booking\_inserts.sql 301 ms

booking 429 ms

booking

booking

booking

console airline flights booking booking\_flight

create or replace view airline\_flights\_next\_week as  
select f.flight\_id, f.flight\_no, f.scheduled\_departure, b.price  
from flights f  
join airline a 1.n<->1: on f.airline\_id = a.airline\_id  
join booking\_flight bf 1<->1.n: on f.flight\_id = bf.flight\_id  
join booking b 1.n<->1: on bf.booking\_id = b.booking\_id  
where a.airline\_name = 'IPC'  
and f.scheduled\_departure between current\_date and current\_date + interval '7 days'

[2025-11-19 01:07:22] completed in 8 ms

[2025-11-19 01:07:47] postgres.public> select \* from top\_10\_visited\_countries

[2025-11-19 01:07:48] 10 rows retrieved starting from 1 in 390 ms (execution: 5 ms, fetching: 385 ms)

[2025-11-19 01:18:54] postgres.public> create or replace view airline\_flights\_next\_week as  
select f.flight\_id, f.flight\_no, f.scheduled\_departure, b.price  
from flights f  
join airline a on f.airline\_id = a.airline\_id  
join booking\_flight bf on f.flight\_id = bf.flight\_id  
join booking b on bf.booking\_id = b.booking\_id  
where a.airline\_name = 'IPC'  
and f.scheduled\_departure between current\_date and current\_date + interval '7 d

[2025-11-19 01:18:54] completed in 7 ms

Database Consoles > postgres@localhost > console 8:84 CRLF UTF-8 4 spaces 1:19 19.11.2025



mydbVersion control

Database Explorer

postgres@localhost1 of 4

postgres1 of 3

public

tables10

airline

airport

Services

Tx

postgres@localhost

airline1 s 843 ms

airline

airline

airline1 s 843 ms

console463 ms

flights424 ms

flights

flights

flights424 ms

corrected\_booking\_inserts.sql301 ms

booking409 ms

booking

booking

booking

airport384 ms

airport

airport

consoleairlineflights

select \* from delayed\_flights

Outputpostgres.public.delayed\_flights

	flight_id	flight_no	scheduled_departure	actual_departure
1	2	US-NM	2023-07-21	2024-02-09
2	3	FI-OL	2023-03-29	2024-02-21
3	5	RO-DJ	2023-07-03	2023-11-18
4	6	CA-SK	2023-07-07	2024-02-19
5	7	AU-TAS	2023-10-12	2023-12-04
6	9	IN-OR	2023-05-18	2023-06-17
7	11	TH-S7	2023-03-28	2024-02-06
8	12	CA-NL	2023-03-22	2023-04-28
9	14	US-IN	2023-07-24	2024-03-04
10	17	ES-AN	2023-09-10	2023-11-23
11	21	EE-39	2023-10-12	2023-10-28
12	22	GB-ENG	2023-11-03	2024-02-05
13	23	CN-65	2023-09-30	2023-04-21
14	26	CH-TI	2023-09-30	2024-01-01

Database Consoles > postgres@localhost > console

1:30CRLFUTF-84 spaces

1:0119.11.2025