

## Команда применения dump-а

```
Командная строка
C:\Program Files\PostgreSQL\15\bin>psql -f C:\Users\serge\Downloads\demo-medium\demo-medium-20170815.sql -U postgres
Пароль пользователя postgres:
SET
SET
SET
SET
SET
SET
SET
SET
SET
psql:C:\Users\serge\Downloads\demo-medium\demo-medium-20170815.sql:17: P3PÉP?P?P?P?: P4P?P-P? P?P?P?P?CcC: "demo" P?P? C?C?C?P?C?C?P?C?P?C?C?
CREATE DATABASE
Вы подключены к базе данных "demo" как пользователь "postgres".
SET
SET
SET
SET
SET
SET
SET
SET
CREATE SCHEMA
COMMENT
CREATE EXTENSION
COMMENT
SET
CREATE FUNCTION
CREATE FUNCTION
COMMENT
SET
SET
CREATE TABLE
COMMENT
COMMENT
COMMENT
COMMENT
CREATE VIEW
COMMENT
COMMENT
COMMENT
COMMENT
CREATE TABLE
COMMENT
COMMENT
COMMENT
COMMENT
COMMENT
CREATE VIEW
```

## SQL Запросы

```
1. select ticket_no from tickets
   UNION all
   select flight_no from flights limit 10;
```

console - console

demo.bookings.tickets

	ticket_no
1	0005432000860
2	0005432000861
3	0005432000862
4	0005432000863
5	0005432000864
6	0005432000865
7	0005432000866
8	0005432000867
9	0005432000868
10	0005432000869

```
2. select ticket_no, passenger_name from tickets where passenger_name LIKE 'NI%' limit 100;
```

console - console

demo.bookings.tickets

100 rows

	ticket_no	passenger_name
1	0005432018644	NIKOLAY KOZLOV
2	0005432018670	NIKOLAY RODIONOV
3	0005432018680	NIKOLAY ALEKSEEV
4	0005432018706	NIKOLAY KUZNECOV
5	0005432018749	NIKOLAY NIKOLAEV
6	0005432018757	NINA KISELEVA
7	0005432018765	NIKITA MELNIKOV
8	0005432018822	NINA MIKHAYLOVA
9	0005432018823	NIKITA GERASIMOV
10	0005432018838	NIKOLAY SIDOROV
11	0005432018888	NIKITA IVANOV
12	0005432018917	NINA YAKOVLEVA
13	0005432018938	NIKOLAY CHERNOV
14	0005432018943	NINA POTAPOVA
15	0005432019023	NINA NIKOLAEVA
16	0005432019035	NINA KUZNECOVA
17	0005432019052	NIKOLAY VOLKOV
18	0005432019107	NIKITA GAVRILOV
19	0005432019123	NINA SAVELEVA
20	0005432019158	NIKOLAY MATVEEV
21	0005432019162	NIKOLAY ANDREEV
22	0005432019164	NINA ORLOVA
23	0005432019181	NIKOLAY KONONOV
24	0005432019186	NIKOLAY VASILEV
25	0005432019211	NINA MATVEEVA
26	0005432019253	NIKOLAY ILIN
27	0005432019264	NIKOLAY FROLOV
28	0005432019272	NIKOLAY CHERNOV
29	0005432019277	NINA ANISIMOVA
30	0005432019324	NIKOLAY MAKAROV

```
3. select passenger name, count(*) from tickets where ticket no in (select ticket_no from ticket_flights where (fare_conditions = 'Business')) group by passenger name;
```

console - console

Result 4

1-500 of 501+

	passenger_name	count
1	ARSENIY ZHUKOV	1
2	ALBINA DMITRIEVA	3
3	ELVIRA NIKIFOROVA	2
4	PETR BARANOV	8
5	SVETLANA BOGDANOVA	29
6	OKSANA MAKAROVA	24
7	TAMARA LAZAREVA	10
8	FELIKS VOLKOV	1
9	KRISTINA MARTYNOVA	2
10	ARTEM KOZLOV	14
11	ARTEM DMITRIEV	16
12	RAFIK KUZNECOV	3
13	VALERIY VLASOV	17
14	RAFAEL STEPANOV	2
15	ARTEM SOKOLOV	13
16	OLESYA KOROLEVA	5
17	DINARA EFIMOVA	2
18	IRINA NOVIKOVA	42
19	VIOLETTA MIKHAYLOVA	3
20	FANIL KARPOV	1
21	ZINAIDA TROFIMOVA	1
22	ANISA TARASOVA	1
23	RAFIK ZAKHAROV	1
24	VARVARA NAZAROVA	1
25	ANZHELIKA SIDOROVA	1
26	GULFIYA MOROZDOVA	2
27	LEV DENISOV	1
28	TAISIYA KRASNOVA	4
29	PELAGEYA NIKOLAEVA	1
30	KIRILL KOZLOV	10

```

4. select
    departure_airport, arrival_airport
from
    flights, ticket_flights tf1, ticket_flights tf2
where
    (flights.flight_id = tf1.flight_id and flights.flight_id =
tf2.flight_id and tf1.ticket_no = tf2.ticket_no and departure_airport
!= arrival_airport) group by departure_airport, arrival_airport having
departure_airport < arrival_airport;

```

console - console

demo.bookings.flights x

228 rows

	departure_airport	arrival_airport
1	AAQ	EGO
2	AAQ	SV0
3	ABA	DME
4	ABA	OV0
5	ABA	TOF
6	AER	EGO
7	AER	GOJ
8	AER	KGP
9	AER	KJA
10	AER	KUF
11	AER	NOZ
12	AER	ROV
13	AER	SV0
14	AER	VKO
15	ARH	DME
16	ARH	HMA
17	ARH	NNM
18	ARH	PEE
19	ARH	TJM
20	ARH	TOF
21	ASF	BAX
22	ASF	DME
23	ASF	SV0
24	BAX	DME
25	BAX	SV0
26	BAX	VKO
27	BQS	KHV
28	BTX	DME
29	BZK	DME
30	BZK	EGO

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console - console

demo.bookings.flights x

228 rows

	departure_airport	arrival_airport
35	CEK	DME
36	CEK	IKT
37	CEK	PEE
38	CEK	STW
39	CEK	SWT
40	CEK	VOG
41	CNN	DME
42	CNN	MJZ
43	CSY	LED
44	CSY	NBC
45	CSY	SV0
46	CSY	VKO
47	DME	EGO
48	DME	ESL
49	DME	GOZ
50	DME	GRV
51	DME	HMA
52	DME	KEJ
53	DME	KGO
54	DME	KHV
55	DME	KRO
56	DME	KRR
57	DME	KUF
58	DME	KVX
59	DME	KZN
60	DME	LED
61	DME	MCX
62	DME	HRV
63	DME	NAL
64	DME	NJC

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