

```
yazgul@MacBook-Pro desktop % psql -f demo-small-20170815.sql -U yazgul
```

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SET  
SET  
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SET  
SET
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```
psql:demo-small-20170815.sql:17: ERROR:  database "demo" does not exist
```

```
CREATE DATABASE
```

```
Вы подключены к базе данных "demo" как пользователь "yazgul".
```

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SET  
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SET  
SET  
CREATE SCHEMA  
COMMENT  
CREATE EXTENSION  
COMMENT  
SET  
CREATE FUNCTION  
CREATE FUNCTION  
COMMENT  
SET  
SET  
CREATE TABLE  
COMMENT  
COMMENT  
COMMENT  
COMMENT
```

```
setval
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```
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```
33121
```

```
(1 строка)
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```
COPY 1339
```

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COPY 1045726
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COPY 366733
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ALTER TABLE
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ALTER TABLE
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ALTER TABLE
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ALTER DATABASE
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ALTER DATABASE
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```
[yazgul@MacBook-Pro desktop % psql -U yazgul -d demo
```

```
psql (15.5 (Homebrew))
```

```
Введите "help", чтобы получить справку.
```

```
[demo=# \q
```

```
yazgul@MacBook-Pro desktop %
```

Tx: Auto

✓

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Playground

⌵

⌵

demo: bookings, public

⌵

console

⌵

1 ✓

SELECT aircraft_code, departure_airport

2 FROM flights

3 UNION ALL

4 SELECT aircraft_code, arrival_airport

5 FROM flights

6 ORDER BY aircraft_code DESC;

7

	aircraft_code	departure_airport
1	SU9	DME
2	SU9	DME
3	SU9	DME
4	SU9	DME
5	SU9	DME
6	SU9	DME
7	SU9	DME
8	SU9	DME
9	SU9	DME
10	SU9	DME
11	SU9	DME
12	SU9	DME
13	SU9	DME
14	SU9	DME
15	SU9	DME
16	SU9	DME
17	SU9	DME
18	SU9	DME
19	SU9	DME
20	SU9	EGO
21	SU9	DME
22	SU9	DME
23	SU9	DME
24	SU9	DME
25	SU9	VOG

7

8 ✓

```
SELECT * FROM airports_data
```

9

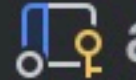




```
WHERE airports_data.timezone IN ('Asia/Yakutsk', 'Europe/Moscow')
```

10

```
ORDER BY airport_code
```

11

```
LIMIT 15;
```


	 airport_code ⇅	 airport_name ⇅	 city ∨	 coordinates ⇅	 timezone ⇅
1	IAR	{"en": "Tunoshna Airport", "ru": "Туношна"}	{"en": "Yaroslavl", "ru": "Ярославль"}	(40.15739822387695, 57.560699462890625)	Europe/Moscow
2	AER	{"en": "Sochi International Airport", "ru": "Сочи"}	{"en": "Sochi", "ru": "Сочи"}	(39.956600189209, 43.449901580811)	Europe/Moscow
3	GOJ	{"en": "Nizhny Novgorod Strigino Internatio	{"en": "Nizhniy Novgorod", "ru": "Нижний Но	(43.784000396729, 56.230098724365)	Europe/Moscow
4	CNN	{"en": "Chulman Airport", "ru": "Чульман"}	{"en": "Neryungri", "ru": "Нерюнгри"}	(124.91400146484, 56.913898468018)	Asia/Yakutsk
5	DME	{"en": "Domodedovo International Airport",	{"en": "Moscow", "ru": "Москва"}	(37.90629959106445, 55.40879821777344)	Europe/Moscow
6	GRV	{"en": "Khankala Air Base", "ru": "Грозный"}	{"en": "Grozny", "ru": "Грозный"}	(45.78409957885742, 43.298099517822266)	Europe/Moscow
7	GDZ	{"en": "Gelendzhik Airport", "ru": "Гелендж	{"en": "Gelendzhik", "ru": "Геленджик"}	(38.0124807358, 44.5820926295)	Europe/Moscow
8	ESL	{"en": "Elista Airport", "ru": "Элиста"}	{"en": "Elista", "ru": "Элиста"}	(44.33089828491211, 46.3739013671875)	Europe/Moscow
9	CEE	{"en": "Cherepovets Airport", "ru": "Черепо	{"en": "Cherepovets", "ru": "Череповец"}	(38.015800476100004, 59.273601532)	Europe/Moscow
10	CSY	{"en": "Cheboksary Airport", "ru": "Чебокса	{"en": "Cheboksary", "ru": "Чебоксары"}	(47.3473014831543, 56.090301513671875)	Europe/Moscow
11	BZK	{"en": "Bryansk Airport", "ru": "Брянск"}	{"en": "Bryansk", "ru": "Брянск"}	(34.176399231, 53.214199066199996)	Europe/Moscow
12	BQS	{"en": "Ignatyev Airport", "ru": "Игнатьев	{"en": "Blagoveschensk", "ru": "Благовещенс	(127.41200256347656, 50.42539978027344)	Asia/Yakutsk
13	EGO	{"en": "Belgorod International Airport", "r	{"en": "Belgorod", "ru": "Белгород"}	(36.5900993347168, 50.643798828125)	Europe/Moscow
14	ARH	{"en": "Talagi Airport", "ru": "Талаги"}	{"en": "Arkhangelsk", "ru": "Архангельск"}	(40.71670150756836, 64.60030364990234)	Europe/Moscow
15	AAQ	{"en": "Anapa Vityazevo Airport", "ru": "Ви	{"en": "Anapa", "ru": "Анапа"}	(37.347301483154, 45.002101898193)	Europe/Moscow


```
13 ✓ SELECT
14     ad.aircraft_code,
15     COUNT(f.flight_id) AS total_flights
16 FROM
17     aircrafts_data ad
18 JOIN
19     flights f ON ad.aircraft_code = f.aircraft_code
20 WHERE
21     EXISTS (
22         SELECT 1
23         FROM flights f2
24         WHERE ad.aircraft_code = f2.aircraft_code
25     )
26 GROUP BY
27     ad.aircraft_code;
```

Tx



Output



Result 8



8 rows



aircraft_code



total_flights



1

CN1

9273

2

CR2

9048

3

773

610

4

763

1221

5

319

1239

6

733

1274

7

321

1952

8

SU9

8504


```
SELECT least(f1.departure_airport, f1.arrival_airport) AS airport1,  
       greatest(f1.departure_airport, f1.arrival_airport) AS airport2  
FROM flights f1  
GROUP BY airport1, airport2;
```

	airport1	airport2
1	DME	GDZ
2	AAQ	EGO
3	GDZ	ROV
4	LPK	PES
5	G0J	NAL
6	AER	PEZ
7	KJA	NUX
8	OSW	VKO
9	IKT	VVO
10	NOJ	NUX
11	CSY	SVO
12	GDZ	VKO
13	DME	ULV
14	UUS	YKS
15	KZN	MQF
16	GDZ	SVO
17	SVO	VOG
18	DME	PKV
19	KZN	ROV
20	CSY	LED
21	DME	NNM
22	NOJ	VKO
23	CEK	SGC
24	ARH	IKT
25	GDX	SCW