

demo

demo

Version control

Database Explorer

demo@localhost 1 of 4

demo 1 of 4

bookings

tables 8

aircrafts_data

columns 3

aircraft_code char(3)

model jsonb

range Integer

flights

tickets

bookings

console

aircrafts_data

classwork

Files

demo: bookings, public

console

1

--1 вариант 1

2

SELECT airport_name

3

FROM airports_data

4

EXCEPT

5

SELECT city

6

FROM airports_data

7

ORDER BY airport_name asc;

Services

TX

Database

demo@localhost

airports_data 95 ms

tickets 94 ms

bookings 84 ms

console 74 ms

ticket_flights

boarding_passes 108 ms

aircrafts_data 85 ms

flights 158 ms

Output

1 вариант 1

104 rows

airport_name

{ "en": "Abakan Airport", "ru": "Абакан" }

{ "en": "Anapa Vityazevo Airport", "ru": "Витязево" }

{ "en": "Astrakhan Airport", "ru": "Астрахань" }

{ "en": "Barnaul Airport", "ru": "Барнаул" }

{ "en": "Begishevo Airport", "ru": "Бегисево" }

{ "en": "Belgorod International Airport", "ru": "Белгород" }

{ "en": "Beloyarskiy Airport", "ru": "Белоярский" }

{ "en": "Beslan Airport", "ru": "Беслан" }

{ "en": "Bogashevo Airport", "ru": "Богашево" }

{ "en": "Bolshoye Savino Airport", "ru": "Пермь" }

{ "en": "Bratsk Airport", "ru": "Братск" }

{ "en": "Bryansk Airport", "ru": "Брянск" }

{ "en": "Bugulma Airport", "ru": "Бугульма" }

{ "en": "Cheboksary Airport", "ru": "Чебоксары" }

{ "en": "Chelyabinsk Balandino Airport", "ru": "Челябинск" }

{ "en": "Cherepovets Airport", "ru": "Череповец" }

{ "en": "Chita-Kadala Airport", "ru": "Чита" }

{ "en": "Chulman Airport", "ru": "Чульман" }

{ "en": "Domodedovo International Airport", "ru": "Домодедово" }

Database Consoles > demo@localhost > console

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Version control

Database Explorer

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demo 1 of 4

bookings

tables 8

aircrafts_data

columns 3

aircraft_code char(3)

model jsonb

range Integer

flights

tickets

bookings

console

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classwork

Files

demo: bookings, public

console

7

ORDER BY airport_name asc;

8

--вариант 2

9

select airport_name --> 'ru' as name

10

from airports_data

11

except

12

select city --> 'ru' from airports_data

13

order by name asc;

Services

TX

Database

demo@localhost

airports_data 95 ms

tickets 94 ms

bookings 84 ms

console 102 ms

ticket_flights

boarding_passes 108 ms

aircrafts_data 85 ms

flights 158 ms

Output

-вариант 2

38 rows

name

Омск-Центральный

Уйташ

Хурба

Курск-Восточный

Байкал

Беслан

Гумрак

Родино

Талаги

Бесовец

Внуково

Донское

Елизово

Курумоч

Пулково

Туношна

Чульман

Иваново-Вжний

Саватов-Центральный

Database Consoles > demo@localhost > console

demobdVersion control

Database Explorer

demo@localhost1 of 4

demo1 of 4

bookings

aircrafts_data

columns3

aircraft_codechar(3)

modeljsonb

rangeinteger

console

16

17

18

19

20

21

22

select airport_name --> 'ru' as name

from airports_data

intersect

select city --> 'ru' from airports_data

order by name asc;

Files

demobd ~/DataGripProjects/demobd

classwork.sql

Scratches and Consoles

Services

Database

demo@localhost

airports_data95 ms

airports_data95 ms

tickets94 ms

bookings84 ms

console93 ms

ticket_flights

boarding_passes108 ms

boarding_passes108 ms

aircrafts_data85 ms

aircrafts_data85 ms

flights158 ms

flights158 ms

Output

66 rows

name

1Уфа

2Орск

3Сочи

4Ухта

5Чита

6Усть-Кут

7Усть-Илимск

8Кызыл

9Надым

10Пенза

11Пермь

12Псков

13Новый Уренгой

14Горно-Алтайск

15Ханты-Мансийск

16Абакан

17Братск

18Брянск

19Ижевск

Database Consoles

demo@localhost

console

16:1 (128 chars, 5 line breaks)LFUTF-84 spaces

demobdVersion control

Database Explorer

demo@localhost1 of 4

demo1 of 4

bookings

aircrafts_data

columns3

aircraft_codechar(3)

modeljsonb

rangeinteger

keys1

indexes1

checks1

airports_data

columns5

airport_codechar(3)

airport_namejsonb

cityjsonb

coordinatespoint

timezone text

keys1

indexes1

boarding_passes

console

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

-- вариант 1

SELECT

aircraft_code,

COUNT(*) AS flight_count

FROM

flights

WHERE

departure_airport = 'KZN'

AND EXTRACT(MONTH FROM scheduled_departure) = 8

AND EXTRACT(YEAR FROM scheduled_departure) = 2017

GROUP BY

aircraft_code, departure_airport

HAVING

COUNT(*) > 50

ORDER BY

flight_count DESC,

aircraft_code ASC;

-- вариант 2

Files

demobd ~/DataGripProjects/demobd

classwork.sql

Scratches and Consoles

Services

Database

demo@localhost

airports_data95 ms

airports_data95 ms

tickets94 ms

bookings84 ms

console80 ms

ticket_flights

boarding_passes108 ms

Output

3 rows

aircraft_code

flight_count

1CN162

2SU962

3CR254

Database Consoles

demo@localhost

console

25:1 (339 chars, 15 line breaks)LFUTF-84 spaces

demobd Version control

Database Explorer

- demo@localhost (1 of 4)
 - demo (1 of 4)
 - bookings
 - aircrafts_data
 - columns 3
 - aircraft_code char(3)
 - model jsonb
 - range integer
 - keys 1
 - indexes 1

console

```
59 INNER JOIN boarding_passes on ticket_flights.flight_id = boarding_passes.flight_id
60 INNER JOIN tickets on tickets.ticket_no = ticket_flights.ticket_no
61 INNER JOIN bookings on bookings.book_ref = tickets.book_ref;
62
63 --5
64 select flights.flight_no from ticket_flights
65 right join flights on flights.flight_id = ticket_flights.flight_id
66 where ticket_flights.flight_id is null;
67
```

Services

Database

- demo@localhost
 - airports_data 95 ms
 - bookings 84 ms
 - console 256 ms
 - ticket_flights
 - boarding_passes 108 ms
 - aircrafts_data 85 ms
 - flights 158 ms

Output

demo.bookings.flights

flight_no
1 P60467
2 P60402
3 P60403
4 P60403
5 P60403
6 P60403
7 P60402
8 P60213
9 P60213
10 P60054
11 P60054
12 P60054
13 P60054
14 P60054
15 P60054
16 P60054
17 P60335

Database Consoles > demo@localhost > console

demobd Version control

Database Explorer

- demo@localhost (1 of 4)
 - demo (1 of 4)
 - bookings
 - aircrafts_data
 - columns 3
 - aircraft_code char(3)
 - model jsonb
 - range integer
 - keys 1
 - indexes 1
 - checks 1

console

```
52 --4
53
54 select * from aircrafts_data
55 INNER JOIN seats on aircrafts_data.aircraft_code = seats.aircraft_code
56 INNER JOIN flights on seats.aircraft_code = flights.aircraft_code
57 INNER JOIN airports_data on flights.departure_airport = airports_data.airport_code
58 INNER JOIN ticket_flights on flights.flight_id = ticket_flights.flight_id
59 INNER JOIN boarding_passes on ticket_flights.flight_id = boarding_passes.flight_id
60 INNER JOIN tickets on tickets.ticket_no = ticket_flights.ticket_no
61 INNER JOIN bookings on bookings.book_ref = tickets.book_ref;
62
```

Services

Output

Result 35

aircrafts_data.aircraft_code	model	range	seats.aircraft_code	seats.seat_no	seats.fare_conditions
1 321	{"en": "Airbus A321-200", "ru": "Аэробус А321-200"}	5600 321	13F	Economy	
2 321	{"en": "Airbus A321-200", "ru": "Аэробус А321-200"}	5600 321	14A	Economy	
3 321	{"en": "Airbus A321-200", "ru": "Аэробус А321-200"}	5600 321	14B	Economy	
4 321	{"en": "Airbus A321-200", "ru": "Аэробус А321-200"}	5600 321	14C	Economy	
5 321	{"en": "Airbus A321-200", "ru": "Аэробус А321-200"}	5600 321	14D	Economy	
6 321	{"en": "Airbus A321-200", "ru": "Аэробус А321-200"}	5600 321	14E	Economy	
7 321	{"en": "Airbus A321-200", "ru": "Аэробус А321-200"}	5600 321	14F	Economy	
8 321	{"en": "Airbus A321-200", "ru": "Аэробус А321-200"}	5600 321	15A	Economy	
9 321	{"en": "Airbus A321-200", "ru": "Аэробус А321-200"}	5600 321	15B	Economy	
10 321	{"en": "Airbus A321-200", "ru": "Аэробус А321-200"}	5600 321	15C	Economy	
11 321	{"en": "Airbus A321-200", "ru": "Аэробус А321-200"}	5600 321	15D	Economy	
12 321	{"en": "Airbus A321-200", "ru": "Аэробус А321-200"}	5600 321	15E	Economy	
13 321	{"en": "Airbus A321-200", "ru": "Аэробус А321-200"}	5600 321	15F	Economy	
14 321	{"en": "Airbus A321-200", "ru": "Аэробус А321-200"}	5600 321	16A	Economy	
15 321	{"en": "Airbus A321-200", "ru": "Аэробус А321-200"}	5600 321	16B	Economy	
16 321	{"en": "Airbus A321-200", "ru": "Аэробус А321-200"}	5600 321	16C	Economy	

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