

demo

Version control

Current File

Search

Database Explorer

flights tickets bookings console aircrafts\_data classwork

Files

demo@localhost 1 of 4

demo 1 of 4

bookings

tables 8

aircrafts\_data

columns 3

aircraft\_code char(3)

model jsonb

range Integer

1

2

3

4

5

6

7

--1 вариант 1

SELECT airport\_name

FROM airports\_data

EXCEPT

SELECT city

FROM airports\_data

ORDER BY airport\_name asc;

104 rows

1 вариант 1

airport\_name

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

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

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

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

5 {"en": "Begishevo Airport", "ru": "Бергешево"}

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

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

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

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

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

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

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

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

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

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

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

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

18 {"en": "Chulman Airport", "ru": "Чулым"}

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

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

Database Consoles &gt; demo@localhost &gt; console

demo

Version control

Current File

Search

Database Explorer

flights tickets bookings console aircrafts\_data classwork

Files

demo@localhost 1 of 4

demo 1 of 4

bookings

tables 8

aircrafts\_data

columns 3

aircraft\_code char(3)

model jsonb

range Integer

7

8

9

10

11

12

13

ORDER BY airport\_name asc;

--вариант 2

select airport\_name --> 'ru' as name

from airports\_data

except

select city --> 'ru' from airports\_data

order by name asc;

38 rows

--вариант 2

name

1 Омск-Центральный

2 Уйташ

3 Хурба

4 Курск-Восточный

5 Байкал

6 Беслан

7 Гумрак

8 Родино

9 Талаги

10 Бесовец

11 Внуково

12 Донское

13 Елизово

14 Курумоч

15 Пулково

16 Туношна

17 Чулым

18 Иваново-Взный

19 Саратов-Центральный

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

Database Consoles &gt; demo@localhost &gt; console

demo

Version control

Current File

Search

demobdVersion control

Database Explorer

demo@localhost1 of 4

demo1 of 4

bookings

aircrafts\_data

columns 3

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\_data 95 ms

airports\_data 95 ms

tickets 94 ms

bookings 84 ms

bookings 84 ms

console 93 ms

ticket\_flights

boarding\_passes 108 ms

boarding\_passes 108 ms

aircrafts\_data 85 ms

aircrafts\_data 85 ms

flights 158 ms

flights 158 ms

Output

66 rows

CSV

name

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

Уфа

Орск

Сочи

Ухта

Чита

Усть-Кут

Усть-Илимск

Кызыл

Надым

Пенза

Пермь

Лсков

Новый Уренгой

Горно-Алтайск

Ханты-Мансийск

Абакан

Братск

Брянск

Ижевск

Database Consoles

demo@localhost

console

16:1 (128 chars, 5 line breaks)

LF

UTF-8

4 spaces

demobdVersion control

Database Explorer

demo@localhost1 of 4

demo1 of 4

bookings

aircrafts\_data

columns 3

aircraft\_codechar(3)

modeljsonb

rangeinteger

keys 1

indexes 1

checks 1

airports\_data

columns 5

airport\_codechar(3)

airport\_namejsonb

cityjsonb

coordinatespoint

timezone text

keys 1

indexes 1

boarding\_passes

console

23

24

25

26

27

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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\_data 95 ms

airports\_data 95 ms

tickets 94 ms

bookings 84 ms

bookings 84 ms

console 80 ms

ticket\_flights

boarding\_passes 108 ms

Output

3 rows

CSV

aircraft\_code

flight\_count

1

2

3

CN1

SU9

CR2

62

62

54

Database Consoles

demo@localhost

console

25:1 (339 chars, 15 line breaks)

LF

UTF-8

4 spaces

demoibdVersion control

Database Explorer

demo@localhost1 of 4

demo1 of 4

bookings

tables8

aircrafts\_data

columns3

aircraft\_codechar(3)

modeljsonb

rangeinteger

keys1

indexes1

ticketsbookingsconsoleaircrafts\_dataclasswork.sql

demo: bookings, publicconsole

59INNER JOIN boarding\_passes on ticket\_flights.flight\_id = boarding\_passes.flight\_id

60INNER JOIN tickets on tickets.ticket\_no = ticket\_flights.ticket\_no

61INNER JOIN bookings on bookings.book\_ref = tickets.book\_ref;

62

63--5

64select flights.flight\_no from ticket\_flights

65right join flights on flights.flight\_id = ticket\_flights.flight\_id

66where ticket\_flights.flight\_id is null;

67

Services

Database

demo@localhost

airports\_data95 ms

tickets94 ms

bookings84 ms

console256 ms

ticket\_flights

boarding\_passes108 ms

aircrafts\_data85 ms

flights158 ms

Outputdemo.bookings.flights

1-500 of 501+

flight\_no

1P60467

2P60402

3P60403

4P60403

5P60403

6P60403

7P60402

8P60213

9P60213

10P60054

11P60054

12P60054

13P60054

14P60054

15P60054

16P60054

17P60335

Database Consolesdemo@localhostconsole

demoibdVersion control

Database Explorer

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bookings

tables8

aircrafts\_data

columns3

aircraft\_codechar(3)

modeljsonb

rangeinteger

keys1

indexes1

checks1

airports\_data

columns5

airport\_codechar(3)

airport\_namejsonb

cityjsonb

coordinatespoint

timezonetext

keys1

ticketsbookingsconsoleaircrafts\_dataclasswork.sql

demo: bookings, publicconsole

60INNER JOIN tickets on tickets.ticket\_no = ticket\_flights.ticket\_no

61INNER JOIN bookings on bookings.book\_ref = tickets.book\_ref;

62

63--5

64select flights.flight\_no from ticket\_flights

65right join flights on flights.flight\_id = ticket\_flights.flight\_id

66where ticket\_flights.flight\_id is null;

67

68--6

69select flights.flight\_no, sum(ticket\_flights.amount) as amount

70from ticket\_flights

71join flights on ticket\_flights.flight\_id = flights.flight\_id

72where extract(year from scheduled\_departure) = 2017

73and extract(month from scheduled\_departure) = 8

74group by flights.flight\_no

75order by amount desc;

76

Services

Output

472 rows

flight\_noamount

1P60208490338600

2P60209480332200

3P60222356857100

4P60223348201000

5P60357331505300

6P60356307950500

7P60277294280000

8P60278293283200

9P60199272320100