

1--A

2✓select airport_code, coordinates, city

3from airports_data

4where city -->'ru' in ('Казань', 'Москва')

5order by airport_code DESC;

6--B

Outputdemo.bookings.airports_data

4 rows

Tx: AutoDDL

	airport_code	coordinates	city
1	VKO	(37.2615013123,55.5914993286)	{"en": "Moscow", "ru": "Москва"}
2	SVO	(37.4146,55.972599)	{"en": "Moscow", "ru": "Москва"}
3	KZN	(49.278701782227,55.606201171875)	{"en": "Kazan", "ru": "Казань"}
4	DME	(37.90629959106445,55.40879821777344)	{"en": "Moscow", "ru": "Москва"}

6--B

7✓select CONCAT_WS(' ', airport_code, airport_name, city, coordinates, timezone) AS full_information

8from airports_data

9order by full_information;

10

Outputfull_information:text

104 rows

CSV

full_information
1AAQ {"en": "Anapa Vityazevo Airport", "ru": "Витязево"} {"en": "Anapa", "ru": "Анапа"} (37.347301483154,45.002101898193) Europe/Moscow
2ABA {"en": "Abakan Airport", "ru": "Абакан"} {"en": "Abakan", "ru": "Абакан"} (91.38500213623047,53.7400016784668) Asia/Krasnoyarsk
3AER {"en": "Sochi International Airport", "ru": "Сочи"} {"en": "Sochi", "ru": "Сочи"} (39.956600189209,43.449901580811) Europe/Moscow
4ARH {"en": "Talagi Airport", "ru": "Талаги"} {"en": "Arkhangelsk", "ru": "Архангельск"} (40.71670150756836,64.60030364990234) Europe/Moscow
5ASF {"en": "Astrakhan Airport", "ru": "Астрахань"} {"en": "Astrakhan", "ru": "Астрахань"} (48.0063018799,46.2832984924) Europe/Samara
6BAX {"en": "Barnaul Airport", "ru": "Барнаул"} {"en": "Barnaul", "ru": "Барнаул"} (83.53849792480469,53.363800048828125) Asia/Krasnoyarsk
7BQS {"en": "Ignatyev Airport", "ru": "Игнатьево"} {"en": "Blagoveschensk", "ru": "Благовещенск"} (127.41200256347656,50.42539978027344) Asia...
8BTK {"en": "Bratsk Airport", "ru": "Братск"} {"en": "Bratsk", "ru": "Братск"} (101.697998046875,56.370601654052734) Asia/Irkutsk
9BZK {"en": "Bryansk Airport", "ru": "Брянск"} {"en": "Bryansk", "ru": "Брянск"} (34.176399231,53.214199066199996) Europe/Moscow
10CEE {"en": "Cherepovets Airport", "ru": "Череповец"} {"en": "Cherepovets", "ru": "Череповец"} (38.015800476100004,59.273601532) Europe/Moscow
11CEK {"en": "Chelyabinsk Balandino Airport", "ru": "Челябинск"} {"en": "Chelyabinsk", "ru": "Челябинск"} (61.5033,55.305801) Asia/Yekaterinburg
12CNM {"en": "Chulman Airport", "ru": "Чульман"} {"en": "Neryungri", "ru": "Нерюнгри"} (124.91400146484,56.913898468018) Asia/Yakutsk
13CSY {"en": "Cheboksary Airport", "ru": "Чебоксары"} {"en": "Cheboksary", "ru": "Чебоксары"} (47.3473014831543,56.090301513671875) Europe/Mosc...
14DME {"en": "Domodedovo International Airport", "ru": "Домодедово"} {"en": "Moscow", "ru": "Москва"} (37.90629959106445,55.40879821777344) Eur...
15DYR {"en": "Ugolny Airport", "ru": "Анадырь"} {"en": "Anadyr", "ru": "Анадырь"} (177.74099731445312,64.73490142822266) Asia/Anadyr
16EGO {"en": "Belgorod International Airport", "ru": "Белгород"} {"en": "Belgorod", "ru": "Белгород"} (36.5900993347168,50.643798828125) Europe...
17ESL {"en": "Elista Airport", "ru": "Элиста"} {"en": "Elista", "ru": "Элиста"} (44.33089828491211,46.3739013671875) Europe/Moscow
18EYK {"en": "Beloyarskiy Airport", "ru": "Белоярский"} {"en": "Beloyarsky", "ru": "Белоярский"} (66.698600769,63.686901092499994) Asia/Yekater...

```

9      order by full_information;
10     --C
11     ✓ select departure_airport , count(flight_id) as count from flights
12         where departure_airport in ('KZN', 'DME', 'OVB', 'IKT', 'LED', 'SVO')
13     group by departure_airport
14     order by count desc;
15

```

Output Result 99 ×

< > 6 rows > | ↺ ⌚ ■ 📌

	departure_airport	count
1	DME	6376
2	SVO	5912
3	LED	3769
4	OVB	2091
5	KZN	934
6	IKT	727

```

17     ✓ select departure_airport , count(flight_id) as count from flights
18         where departure_airport not in ('KZN', 'DME', 'OVB', 'IKT', 'LED', 'SVO')
19     group by departure_airport
20     order by count desc;
21     --F

```

Output Result 100 ×

< > 98 rows > | ↺ ⌚ ■ 📌

	departure_airport	count
1	VKO	3405
2	KJA	1401
3	SVX	1367
4	PEE	1228
5	ROV	1227
6	BZK	1210
7	AER	1159
8	OVS	1089
9	SGC	1055
10	HMA	1021
11	NUX	1003
12	TJM	847
13	CEK	812
14	KHV	795
15	ULV	778
16	MJZ	761

scale: 1 [demo@localhost]

```

21 --F
22 Execute Ctrl+Enter flight_id, scheduled_departure, count(tf.flight_id) as count_passengers
23 from flights as f
24 join ticket_flights tf on f.flight_id = tf.flight_id
25 group by scheduled_departure, f.flight_id, f.flight_id
26 having count(flight_no) between 27 and 90
27 order by f.flight_id ,scheduled_departure ,count_passengers desc;
28 --F

```

Output Result 101 x

1-500 of 501+ | Refresh | Filter

	flight_id	scheduled_departure	count_passengers
1	5	2017-09-04 06:35:00.000000 +00:00	53
2	27	2017-09-10 16:05:00.000000 +00:00	86
3	35	2017-05-26 16:05:00.000000 +00:00	70
4	36	2017-05-26 06:35:00.000000 +00:00	89
5	52	2017-06-15 16:05:00.000000 +00:00	88
6	59	2017-08-23 16:05:00.000000 +00:00	90
7	62	2017-09-09 16:05:00.000000 +00:00	78
8	68	2017-05-17 06:35:00.000000 +00:00	83
9	71	2017-05-27 16:05:00.000000 +00:00	70
10	93	2017-07-08 16:05:00.000000 +00:00	73
11	109	2017-05-24 06:35:00.000000 +00:00	85
12	131	2017-08-17 16:05:00.000000 +00:00	85
13	140	2017-06-16 06:35:00.000000 +00:00	88
14	158	2017-05-29 06:35:00.000000 +00:00	90
15	190	2017-05-18 06:35:00.000000 +00:00	83

```

28 --+
29 ✓ select passenger_name as info from tickets
30 union
31 select airport_name->>'ru' from airports_data
32 order by info desc;
33 --G
34 select passenger_name as info from airports_data

```

Output info:text ×

1-500 of 501+ | Refresh | Pin

	info
1	Якутск
2	Элиста
3	Шереметьево
4	Чульман
5	Чита
6	Череповец
7	Челябинск
8	Чебоксары
9	Хурба
10	Храброво
11	Хомутово
12	Ханты-Мансийск
13	Хабаровск-Новый
14	Ухта
15	Уфа

```

33 --G
34 ✓ select passenger_name as info, 'passenger' as type from tickets
35 union
36 select airport_name->>'ru' , 'airport' as type from airports_data
37 order by info , type desc;
38 --H
39 select count(f.flight_id) from flights as f
40 left join ticket_flights tf on f.flight_id = tf.flight_id
type

```

Output Result 103 ×

1-500 of 501+ | Refresh | Pin

	info	type
1	ADELINA AFANASEVA	passenger
2	ADELINA AKIMOVA	passenger
3	ADELINA ALEKSANDROVA	passenger
4	ADELINA ALEKSEEVA	passenger
5	ADELINA ANDREEVA	passenger
6	ADELINA ANISIMOVA	passenger
7	ADELINA BELOVA	passenger
8	ADELINA BELYAEVA	passenger
9	ADELINA CHERNOVA	passenger
10	ADELINA DANILOVA	passenger
11	ADELINA DENISOVA	passenger
12	ADELINA EFIMOVA	passenger
13	ADELINA EGOROVA	passenger
14	ADELINA ERMAKOVA	passenger
15	ADELINA FILIPPOVA	passenger

```

38 --H
39 ✓ select count(f.flight_id) from flights as f
40 left join ticket_flights tf on f.flight_id = tf.flight_id
41 where tf.flight_id is null ;
42 --I
43 select count(distinct code) as num_codes from airports_data
tf

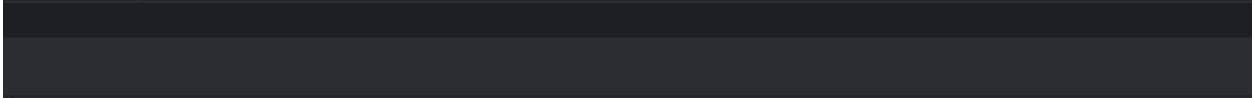
```

Output count(f.flight_id):bigint ×

1 row | Refresh | Pin

	count
1	20490

```
42 --I
43 ✓ select a.airport_code, AVG(ad.range) as avg_range, AVG(tf.amount) as avg_amount
44 FROM airports_data a
45 join flights f on a.airport_code = f.departure_airport or a.airport_code = f.arrival_airport
46 join aircrafts_data ad on f.aircraft_code = ad.aircraft_code
47 left join ticket_flights tf on f.flight_id = tf.flight_id
48 group by a.airport_code
49 order by avg_range desc, avg_amount desc;
50
```



Output Result 105 ×

104 rows

	airport_code	avg_range	avg_amount
1	OVB	8288.253276742142363	27613.231099437996
2	AER	8184.4461789059318583	17030.374310373081
3	PKC	7900	87398.645769933049
4	KXK	7900	61676.269252709641
5	KRR	7748.7172579903972618	15224.024990835631
6	GDX	7725.9766615930999493	75106.062203479178
7	PEE	6826.7430569042532531	13648.453658502615
8	DYR	6700	61687.219730941704
9	BTK	6700	51754.011426732116
10	SVX	6691.6598375473016944	14385.372090627594
11	KHV	6393.41771170507627	57404.911851031158
12	UUS	6301.4810987686213726	84296.635644689125
13	SVO	6176.7834701288796055	19419.243557591589
14	KUF	6148.7272147526173141	12999.416453173925

53

--J

54

✓

select flight_no, max(amount) , min (amount)from flights

55

join ticket_flights tf on flights.flight_id = tf.flight_id

56

group by flight_no;

57

Output

Result 106

483 rows

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	flight_no	max	min
1	PG0012	13500	12300
2	PG0013	42100	14000
3	PG0014	9800	3300
4	PG0015	20600	18700
5	PG0016	20600	18700
6	PG0019	10500	9500
7	PG0020	10500	9500
8	PG0029	5300	5300
9	PG0030	5300	5300
10	PG0032	5300	5300
11	PG0035	8700	8700
12	PG0038	8700	8700
13	PG0039	9700	3200
14	PG0040	9700	3200
15	PG0041	23000	20900
16	PG0042	26000	23600