

```
-- A
SELECT airport_code, coordinates
FROM airports
WHERE city IN ('Казань', 'Москва')
ORDER BY airport_code DESC;
```

Output demo.bookings.airports x

4 rows | Tx: Auto | DDL

	airport_code	coordinates
1	VKO	(37.2615013123, 55.5914993286)
2	SV0	(37.4146, 55.972599)
3	KZN	(49.278701782227, 55.606201171875)
4	DME	(37.90629959106445, 55.40879821777344)

```
SELECT CONCAT(airport_code, ' ', airport_name, ' ', city, ' ', coordinates, ' ', timezone) AS full_information
FROM airports
ORDER BY full_information ASC;
```

_information

Output -- B x

104 rows

full_information

1	AAQ	Витязево	Анапа	(37.347301483154,45.002101898193)	Europe/Moscow
2	ABA	Абакан	Абакан	(91.38500213623047,53.7400016784668)	Asia/Krasnoyarsk
3	AER	Сочи	Сочи	(39.956600189209,43.449901580811)	Europe/Moscow
4	ARH	Талаги	Архангельск	(40.71670150756836,64.60030364990234)	Europe/Moscow
5	ASF	Астрахань	Астрахань	(48.0063018799,46.2832984924)	Europe/Samara
6	BAX	Барнаул	Барнаул	(83.53849792480469,53.363800048828125)	Asia/Krasnoyarsk
7	BQS	Игнатьево	Благовещенск	(127.41200256347656,50.42539978027344)	Asia/Yakutsk
8	BTk	Братск	Братск	(101.697998046875,56.370601654052734)	Asia/Irkutsk
9	BZK	Брянск	Брянск	(34.176399231,53.214199066199996)	Europe/Moscow
10	CEE	Череповец	Череповец	(38.015800476100004,59.273601532)	Europe/Moscow
11	CEK	Челябинск	Челябинск	(61.5033,55.305801)	Asia/Yekaterinburg
12	CNN	Чульман	Нерюнгри	(124.91400146484,56.913898468018)	Asia/Yakutsk
13	CSY	Чебоксары	Чебоксары	(47.3473014831543,56.090301513671875)	Europe/Moscow
14	DME	Домодедово	Москва	(37.90629959106445,55.40879821777344)	Europe/Moscow
15	DYR	Анадырь	Анадырь	(177.74099731445312,64.73490142822266)	Asia/Anadyr
16	EGO	Белгород	Белгород	(36.5900993347168,50.643798828125)	Europe/Moscow
17	ESL	Элиста	Элиста	(44.33089828491211,46.3739013671875)	Europe/Moscow
18	EYK	Белоярский	Белоярский	(66.698600769,63.686901092499994)	Asia/Yekaterinburg
19	GDX	Магадан	Магадан	(150.72000122070312,59.9109992980957)	Asia/Magadan
20	GDZ	Геленджик	Геленджик	(38.0124807358,44.5820926295)	Europe/Moscow
21	GOJ	Стригино	Нижний Новгород	(43.784000396729,56.230098724365)	Europe/Moscow
22	GRV	Грозный	Грозный	(45.78409957885742,43.298099517822266)	Europe/Moscow
23	HMA	Ханты-Мансийск	Ханты-Мансийск	(69.08609771728516,61.028499603271484)	Asia/Yekaterinburg
24	HTA	Чита	Чита	(113.306,52.026299)	Asia/Chita
25	IAR	Туношна	Ярославль	(40.15739822387695,57.560699462890625)	Europe/Moscow

```
-- C
SELECT departure_airport, COUNT(*) AS flights_count
FROM flights
WHERE departure_airport IN ('KZN', 'DME', 'OVB', 'IKT', 'LED', 'SVO')
GROUP BY departure_airport
ORDER BY flights_count DESC;
```

Output -- C x

6 rows

	departure_airport	flights_count
1	DME	3217
2	SVO	2981
3	LED	1900
4	OVB	1055
5	KZN	471
6	IKT	366

```

SELECT departure_airport, COUNT(*) AS flights_count
FROM flights
WHERE departure_airport NOT IN ('KZN', 'DME', 'OVB', 'IKT', 'LED', 'SVO')
GROUP BY departure_airport
ORDER BY flights_count ASC;

```

Output -- D x

98 rows

	departure_airport	flights_count
1	USK	18
2	KXK	18
3	PKC	26
4	PYJ	27
5	NYA	27
6	IWA	34
7	DYR	36
8	GDX	36
9	KYZ	43
10	LPK	43
11	NFG	44
12	EYK	53
13	UKX	61
14	BTK	61
15	IJK	61
16	SWT	61
17	BQS	61
18	GRV	70
19	UUD	71
20	OSW	71
21	IAR	79
22	KEJ	87
23	RGK	88
24	PKV	96
25	HTA	96

```
-- E*
SELECT f.flight_no, f.scheduled_departure, tf.passengers_count
FROM flights f
JOIN (
  SELECT flight_id, COUNT(*) AS passengers_count
  FROM ticket_flights
  GROUP BY flight_id
) tf ON f.flight_id = tf.flight_id
WHERE tf.passengers_count BETWEEN 27 AND 90
ORDER BY f.flight_no, f.scheduled_departure, tf.passengers_count DESC;
```

Output -- E* ×

1-500 of 501+ | Refresh | Filter

	flight_no	scheduled_departure	passengers_count
1	PG0013	2017-09-10 15:15:00.000000 +00:00	68
2	PG0013	2017-09-11 15:15:00.000000 +00:00	50
3	PG0013	2017-09-12 15:15:00.000000 +00:00	53
4	PG0013	2017-09-13 15:15:00.000000 +00:00	43
5	PG0014	2017-07-16 04:30:00.000000 +00:00	41
6	PG0014	2017-07-17 04:30:00.000000 +00:00	36
7	PG0014	2017-07-18 04:30:00.000000 +00:00	38
8	PG0014	2017-07-19 04:30:00.000000 +00:00	39
9	PG0014	2017-07-20 04:30:00.000000 +00:00	38
10	PG0014	2017-07-21 04:30:00.000000 +00:00	43
11	PG0014	2017-07-22 04:30:00.000000 +00:00	34
12	PG0014	2017-07-23 04:30:00.000000 +00:00	38
13	PG0014	2017-07-24 04:30:00.000000 +00:00	56
14	PG0014	2017-07-25 04:30:00.000000 +00:00	59
15	PG0014	2017-07-26 04:30:00.000000 +00:00	72
16	PG0014	2017-07-27 04:30:00.000000 +00:00	73
17	PG0014	2017-07-28 04:30:00.000000 +00:00	77
18	PG0014	2017-07-29 04:30:00.000000 +00:00	78
19	PG0014	2017-07-30 04:30:00.000000 +00:00	83
20	PG0014	2017-07-31 04:30:00.000000 +00:00	83
21	PG0014	2017-08-01 04:30:00.000000 +00:00	78
22	PG0014	2017-08-02 04:30:00.000000 +00:00	87

```

SELECT p.passenger_name, b.airport_code
FROM tickets p
JOIN boarding_passes f ON p.ticket_no = f.ticket_no
JOIN flights a ON f.flight_id = a.flight_id
JOIN airports b ON a.departure_airport = b.airport_code
ORDER BY p.passenger_name DESC;

```

Output -- F* x

1-500 of 501+ | | |

	passenger_name	airport_code
1	ZULFIYA ZOTOVA	SVO
2	ZULFIYA ZOTOVA	SKX
3	ZULFIYA ZHURAVLEVA	KVX
4	ZULFIYA ZHURAVLEVA	LED
5	ZULFIYA ZAYCEVA	DME
6	ZULFIYA ZAKHAROVA	ULV
7	ZULFIYA ZAKHAROVA	VKO
8	ZULFIYA ZAKHAROVA	ULV
9	ZULFIYA ZAKHAROVA	KRR
10	ZULFIYA VOROBEVA	TJM
11	ZULFIYA VOROBEVA	PES
12	ZULFIYA VOROBEVA	PES
13	ZULFIYA VOROBEVA	VKO
14	ZULFIYA VOLKOVA	OVV
15	ZULFIYA VOLKOVA	SVO
16	ZULFIYA VLASOVA	DME
17	ZULFIYA VASILEVA	PES
18	ZULFIYA VASILEVA	MCX
19	ZULFIYA VASILEVA	SVO
20	ZULFIYA SOROKINA	KZN
21	ZULFIYA SOROKINA	DME
22	ZULFIYA SOROKINA	IKT

```

SELECT passenger_name AS entity_name, 'пассажир' AS entity_type
FROM tickets
UNION
SELECT airport_name AS entity_name, 'аэропорт' AS entity_type
FROM airports
ORDER BY entity_type DESC, entity_name DESC;

```

pe

Output -- G x

1-500 of 501+ > >I ↺ ⌂

	entity_name	entity_type
1	ZULFIYA ZOTOVA	пассажир
2	ZULFIYA ZHURAVLEVA	пассажир
3	ZULFIYA ZAYCEVA	пассажир
4	ZULFIYA ZAKHAROVA	пассажир
5	ZULFIYA VOROBEOVA	пассажир
6	ZULFIYA VOLKOVA	пассажир
7	ZULFIYA VLASOVA	пассажир
8	ZULFIYA VASILEVA	пассажир
9	ZULFIYA TIKHONOVA	пассажир
10	ZULFIYA TARASOVA	пассажир
11	ZULFIYA SOROKINA	пассажир
12	ZULFIYA SOKOLOVA	пассажир
13	ZULFIYA SMIRNOVA	пассажир
14	ZULFIYA SIDOROVA	пассажир
15	ZULFIYA SERGEEVA	пассажир
16	ZULFIYA SCHERBAKOVA	пассажир
17	ZULFIYA SAVELEVA	пассажир
18	ZULFIYA RYABOVA	пассажир
19	ZULFIYA POTAPOVA	пассажир
20	ZULFIYA POPOVA	пассажир
21	ZULFIYA POLYAKOVA	пассажир
22	ZULFIYA PETROVA	пассажир

```
-- H
SELECT COUNT(r.flight_no) AS count_unused_flights
FROM routes r
LEFT JOIN flights f ON f.flight_no = r.flight_no
LEFT JOIN ticket_flights tf ON tf.flight_id = f.flight_id
WHERE tf.ticket_no IS NULL;
```

Output -- H x

1 row v | | |

count_unused_flights :

1	10895
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