```sql
SELECT airports_data.airport_code, city
FROM airports_data
WHERE city IN('{"en": "Moscow", "ru": "Москва"}', '{"en": "Kazan", "ru": "Казань"}')
ORDER BY airport_code DESC;
```

airport_code	city
1	VKO	{"en": "Moscow", "ru": "Москва"}
2	SVO	{"en": "Moscow", "ru": "Москва"}
3	KZN	{"en": "Kazan", "ru": "Казань"}
4	DME	{"en": "Moscow", "ru": "Москва"}

```sql
SELECT CONCAT('Код:', airport_code,', Имя:', airport_name, ', Город:', city, ', Координаты', coordinates, ', Таймзона', timezone) as Полная_информация
FROM airports_data
ORDER BY Полная_информация ASC;
```

Полная_информация
1	Код:AAQ, Имя:{"en": "Anapa Vityazevo Airport", "ru": "Витязево"}, Город:{"en": "Anapa", "ru": "Анапа"}, Координаты(37.34730…
2	Код:ABA, Имя:{"en": "Abakan Airport", "ru": "Абакан"}, Город:{"en": "Abakan", "ru": "Абакан"}, Координаты(91.38500213623047…
3	Код:AER, Имя:{"en": "Sochi International Airport", "ru": "Сочи"}, Город:{"en": "Sochi", "ru": "Сочи"}, Координаты(39.956600…
4	Код:ARH, Имя:{"en": "Talagi Airport", "ru": "Талаги"}, Город:{"en": "Arkhangelsk", "ru": "Архангельск"}, Координаты(40.7167…
5	Код:ASF, Имя:{"en": "Astrakhan Airport", "ru": "Астрахань"}, Город:{"en": "Astrakhan", "ru": "Астрахань"}, Координаты(48.00…
6	Код:BAX, Имя:{"en": "Barnaul Airport", "ru": "Барнаул"}, Город:{"en": "Barnaul", "ru": "Барнаул"}, Координаты(83.5384979248…

```sql
SELECT airport.airport_code, COUNT(flight_id) AS num
FROM airports_data airport
JOIN flights f ON airport.airport_code = f.departure_airport or airport.airport_code = f.arrival_airport
WHERE airport_code IN ('KZN', 'DME', 'OVB', 'IKT', 'LED', 'SVO')
GROUP BY airport_code
ORDER BY airport.airport_code DESC;
```
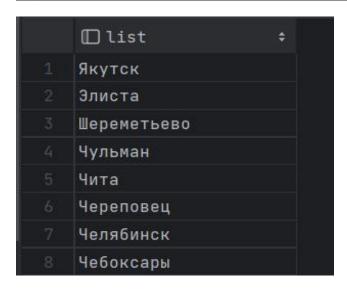
airport_code	num
1	SVO	5963
2	OVB	2110
3	LED	3802
4	KZN	941
5	IKT	731
6	DME	6434

```sql
SELECT airport.airport_code, COUNT(flight_id) AS num
FROM airports_data airport
JOIN flights f ON airport.airport_code = f.departure_airport or airport.airport_code = f.arrival_airport
WHERE airport_code NOT IN ('KZN', 'DME', 'OVB', 'IKT', 'LED', 'SVO')
GROUP BY airport_code
ORDER BY airport.airport_code DESC;
```

airport_code	num
1	YKS	333
2	VVO	366
3	VOZ	244
4	VOG	628
5	VKT	559
6	VKO	3436
7	UUS	524
8	UUD	141
9	UUA	366

```
`
SELECT f.flight_no, f.scheduled_departure, f.scheduled_arrival, COUNT(ticket_flights.flight_id) AS p
FROM flights f
JOIN ticket_flights ON f.flight_id = ticket_flights.flight_id
GROUP BY f.flight_no, f.scheduled_departure, f.scheduled_arrival
HAVING COUNT(ticket_flights.flight_id) BETWEEN 27 AND 90
ORDER BY f.flight_no, f.scheduled_departure, f.scheduled_arrival, p DESC;
```

	flight_no	scheduled_departure	scheduled_arrival	p
1	PG0013	2017-09-10 15:15:00.000000 +00:00	2017-09-10 17:00:00.000000 +00:00	68
2	PG0013	2017-09-11 15:15:00.000000 +00:00	2017-09-11 17:00:00.000000 +00:00	50
3	PG0013	2017-09-12 15:15:00.000000 +00:00	2017-09-12 17:00:00.000000 +00:00	53
4	PG0013	2017-09-13 15:15:00.000000 +00:00	2017-09-13 17:00:00.000000 +00:00	43
5	PG0014	2017-07-16 04:30:00.000000 +00:00	2017-07-16 04:55:00.000000 +00:00	41
6	PG0014	2017-07-17 04:30:00.000000 +00:00	2017-07-17 04:55:00.000000 +00:00	36
7	PG0014	2017-07-18 04:30:00.000000 +00:00	2017-07-18 04:55:00.000000 +00:00	38
8	PG0014	2017-07-19 04:30:00.000000 +00:00	2017-07-19 04:55:00.000000 +00:00	39
9	PG0014	2017-07-20 04:30:00.000000 +00:00	2017-07-20 04:55:00.000000 +00:00	38

```
SELECT passenger_name as list FROM tickets
UNION
SELECT airport_name  from airports
ORDER BY list DESC;
💡
```

	list
1	Якутск
2	Элиста
3	Шереметьево
4	Чульман
5	Чита
6	Череповец
7	Челябинск
8	Чебоксары

```sql
SELECT passenger_name AS name, 'пассажир' AS record_type
FROM tickets
UNION
SELECT airport_name AS name, 'аэропорт' AS record_type
FROM airports
ORDER BY record_type DESC, name DESC;
```

	name	record_type
1	ZULFIYA ZOTOVA	пассажир
2	ZULFIYA ZHURAVLEVA	пассажир
3	ZULFIYA ZAYCEVA	пассажир
4	ZULFIYA ZAKHAROVA	пассажир
5	ZULFIYA VOROBEVA	пассажир
6	ZULFIYA VOLKOVA	пассажир
7	ZULFIYA VLASOVA	пассажир
8	ZULFIYA VASILEVA	пассажир

```sql
SELECT COUNT(*) AS flights_without_ticketscount
FROM flights
LEFT JOIN ticket_flights ON flights.flight_id = ticket_flights.flight_id
WHERE ticket_flights.ticket_no IS NULL;
```

	flights_without_ticketscount
1	10895

```sql
SELECT flights.departure_airport,
       AVG(s.seats_count) AS capacity,
       AVG(tf.tickets_count) AS tickets
FROM flights
       JOIN (SELECT aircraft_code, count(*) AS seats_count
             FROM seats
             GROUP BY aircraft_code) AS s
               ON flights.aircraft_code = s.aircraft_code
       LEFT JOIN (SELECT flight_id, COUNT(*) AS tickets_count
             FROM ticket_flights
             GROUP BY  flight_id) AS tf ON flights.flight_id = tf.flight_id
WHERE extract(MONTH FROM flights.scheduled_departure) = 8
GROUP BY flights.departure_airport
ORDER BY capacity DESC, tickets DESC
```

	departure_airport	capacity	tickets
1	PKC	222	68.2307692307692308
2	KXK	222	28.7777777777777778
3	GDX	162.7894736842105263	29.5
4	KRR	135.05	117.8133333333333333
5	VVO	123	41.5217391304347826
6	KUF	121.3333333333333333	129.2258064516129032
7	AER	116.6824324324324324	110.8941798941798942
8	BTK	116	58.7096774193548387
9	DYR	116	41.2
10	AAQ	114.7313432835820896	101.5161290322580645
11	ULV	110.425	77.6064516129032258
12	SVO	109.9301252471984179	76.6155624036979969
13	SVX	107.9771428571428571	99.211864406779661
14	PEE	107.8317460317460317	83.9481927710843373

```sql
SELECT
    flight_id,
    MIN(amount) AS cheape_ticket,
    MAX(amount) AS expensive_ticket
FROM ticket_flights
GROUP BY flight_id;
```

	flight_id	cheape_ticket	expensive_ticket
1	11233	19100	57200
2	22344	6600	6600
3	26264	62100	186200
4	4790	17600	19400
5	24416	7500	8200
6	3936	19300	19300
7	18803	4400	4400
8	12502	22600	24800