```sql
select airport_code, city, coordinates
from airports_data
where city ->> 'en' = 'Moscow'
   or city ->> 'en' = 'Kazan'
order by airport_code desc;
```

Output — demo.bookings.airports_data — 4 rows

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

```sql
select airport_code || ' ' || airport_name || ' ' || city || ' ' || coordinates || ' ' || timezone as full_information
from airports_data
order by full_information;
```

Output — full_information:text — 104 rows

	full_information
1	AAQ {"en": "Anapa Vityazevo Airport", "ru": "Витязево"} {"en": "Anapa", "ru": "Анапа"} (37.347301483154,45.0021018…
2	ABA {"en": "Abakan Airport", "ru": "Абакан"} {"en": "Abakan", "ru": "Абакан"} (91.38500213623047,53.7400016784668)…
3	AER {"en": "Sochi International Airport", "ru": "Сочи"} {"en": "Sochi", "ru": "Сочи"} (39.956600189209,43.44990158…
4	ARH {"en": "Talagi Airport", "ru": "Талаги"} {"en": "Arkhangelsk", "ru": "Архангельск"} (40.71670150756836,64.6003…
5	ASF {"en": "Astrakhan Airport", "ru": "Астрахань"} {"en": "Astrakhan", "ru": "Астрахань"} (48.0063018799,46.283298…
6	BAX {"en": "Barnaul Airport", "ru": "Барнаул"} {"en": "Barnaul", "ru": "Барнаул"} (83.53849792480469,53.3638000488…
7	BQS {"en": "Ignatyevo Airport", "ru": "Игнатьево"} {"en": "Blagoveschensk", "ru": "Благовещенск"} (127.41200256347…
8	BTK {"en": "Bratsk Airport", "ru": "Братск"} {"en": "Bratsk", "ru": "Братск"} (101.697998046875,56.370601654052734…

```sql
select airport_name, count(*) as number_of_flights
from airports_data
        join flights on airports_data.airport_code = flights.departure_airport
where departure_airport in ('KZN', 'DME', 'OVB', 'IKT', 'LED', 'SVO')
group by airport_name
order by number_of_flights desc;
```

Output — Result 3 — 6 rows

	airport_name	number_of_flights
1	{"en": "Domodedovo International Airport", "ru": "Домодедово"}	3217
2	{"en": "Sheremetyevo International Airport", "ru": "Шереметьево"}	2981
3	{"en": "Pulkovo Airport", "ru": "Пулково"}	1900
4	{"en": "Tolmachevo Airport", "ru": "Толмачёво"}	1055
5	{"en": "Kazan International Airport", "ru": "Казань"}	471
6	{"en": "Irkutsk Airport", "ru": "Иркутск"}	366

```sql
select airport_name, count(*) as number_of_flights
from airports_data
        join flights on airports_data.airport_code = flights.departure_airport
where departure_airport not in ('KZN', 'DME', 'OVB', 'IKT', 'LED', 'SVO')
group by airport_name
order by number_of_flights;
```

Output | Result 4

98 rows | CSV

	airport_name	number_of_flights
1	{"en": "Komsomolsk-on-Amur Airport", "ru": "Хурба"}	18
2	{"en": "Usinsk Airport", "ru": "Усинск"}	18
3	{"en": "Yelizovo Airport", "ru": "Елизово"}	26
4	{"en": "Polyarny Airport", "ru": "Полярный"}	27
5	{"en": "Nyagan Airport", "ru": "Нягань"}	27
6	{"en": "Ivanovo South Airport", "ru": "Иваново-Южный"}	34
7	{"en": "Ugolny Airport", "ru": "Анадырь"}	36
8	{"en": "Sokol Airport", "ru": "Магадан"}	36
9	{"en": "Lipetsk Airport", "ru": "Липецк"}	43
10	{"en": "Kyzyl Airport", "ru": "Кызыл"}	43
11	{"en": "Nefteyugansk Airport", "ru": "Нефтеюганск"}	44
12	{"en": "Beloyarskiy Airport", "ru": "Белоярский"}	53
13	{"en": "Strezhevoy Airport", "ru": "Стрежевой"}	61

```sql
select flights.flight_id, scheduled_departure, count(tf.ticket_no) as passengers
from flights
        join ticket_flights tf on flights.flight_id = tf.flight_id
group by flights.flight_id, scheduled_departure
having count(tf.ticket_no) between 27 and 90
order by flights.flight_id, scheduled_departure, passengers desc;
```

Output | Result 17

1-500 of 501+

	flight_id	scheduled_departure	passengers
1	1	2017-07-16 06:35:00.000000 +00:00	79
2	12	2017-08-23 16:05:00.000000 +00:00	90
3	21	2017-07-19 06:35:00.000000 +00:00	85
4	26	2017-08-12 06:35:00.000000 +00:00	90
5	28	2017-09-03 06:35:00.000000 +00:00	81
6	38	2017-07-28 06:35:00.000000 +00:00	83
7	53	2017-08-08 06:35:00.000000 +00:00	90
8	54	2017-07-18 06:35:00.000000 +00:00	83
9	67	2017-07-26 16:05:00.000000 +00:00	89
10	87	2017-07-17 06:35:00.000000 +00:00	85
11	109	2017-08-11 06:35:00.000000 +00:00	89
12	111	2017-09-10 16:05:00.000000 +00:00	86

```sql
select passenger_name as data from tickets
union
select cast(airport_name as varchar) from airports_data
order by data desc;
```

Output | data:text

1-500 of 22 324

data
ZULFIYA ZOTOVA
ZULFIYA ZHURAVLEVA
ZULFIYA ZAYCEVA
ZULFIYA ZAKHAROVA
ZULFIYA VOROBEVA

```sql
select passenger_name as data, 'Passenger' as record_type
from tickets
union
select cast(airport_name as varchar), 'Airport' as record_type
from airports_data
order by record_type desc, data desc;
```

Output | Result 25

1-500 of 501+ CSV

data	record_type
ZULFIYA ZOTOVA	Passenger
ZULFIYA ZHURAVLEVA	Passenger
ZULFIYA ZAYCEVA	Passenger
ZULFIYA ZAKHAROVA	Passenger
ZULFIYA VOROBEVA	Passenger
ZULFIYA VOLKOVA	Passenger
ZULFIYA VLASOVA	Passenger
ZULFIYA VASILEVA	Passenger
ZULFIYA TIKHONOVA	Passenger
ZULFIYA TARASOVA	Passenger
ZULFIYA SOROKINA	Passenger

```sql
select count(flights.flight_id)
from flights
        left join ticket_flights tf on flights.flight_id = tf.flight_id
where tf.ticket_no is null;
```

Output | count(flights.flight_id):bigint

1 row

count
10895

```sql
select flights.departure_airport,
       avg(s.seats_count)    as avg_capacity,
       avg(tf.tickets_count) as avg_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 avg_capacity desc, avg_tickets desc;
```

Output | Result 24

104 rows

departure_airport	avg_capacity	avg_tickets
PKC	222	68.2307692307692308
KXK	222	28.7777777777777778
GDX	162.7894736842105263	29.5
KRR	135.05	117.8133333333333333
VVO	123	41.5217391304347826
KUF	121.3333333333333333	129.2258064516129032
AER	116.6824324324324324	110.8941798941798942
BTK	116	58.7096774193548387

```sql
select flight_no, max(amount) as max_amount, min(amount) as min_amount
from ticket_flights
        join flights on ticket_flights.flight_id = flights.flight_id
group by flight_no;
```

Output | Result 25

483 rows

	flight_no	max_amount	min_amount
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