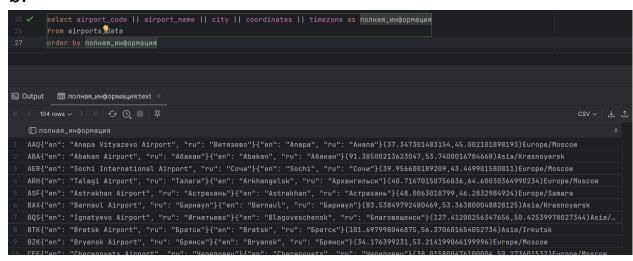
a.

```
select airport_code, coordinates from airports_data
       where city ->> 'ru' = 'Казань' or city ->> 'ru' = 'Москва'
       order by airport_code desc;
Output
         demo.bookings.airports_data ×

‡ 
☐ coordinates

 № airport_code
1 VKO
                     (37.2615013123,55.5914993286)
 SVO
                     (37.4146, 55.972599)
 KZN
                     (49.278701782227,55.606201171875)
                     (37.90629959106445,55.40879821777344)
4 DME
```

b.



C.

```
29 ✓ ∨ select departure_airport, count(*) as количество_рейсов from flights
       where departure_airport in ('KZN', 'DME', 'OVB', 'IKT', 'LED', 'SVO')
       group by departure_airport
       ORDER BY количество_рейсов desc;
< 6 rows > > > | 🗸 🔾 🔲 📮
 🔲 departure_airport 💠 🔲 количество_рейсов 🕏
1 DME
2 SV0
                                                2981
3 LED
                                                1900
4 OVB
                                                1055
5 KZN
                                                471
6 IKT
                                                 366
```

d.

```
select departure_airport, count(*) as количество_рейсов from flights
      group by departure_airport
      ORDER BY количество_рейсов;
|< < 98 rows ∨ > >| ← ⑤ □ □ □ □
  18
                                         18
3 PKC
4 PYJ
5 NYA
                                         27
6 IWA
                                         34
                                         36
10 LPK
11 NFG
```

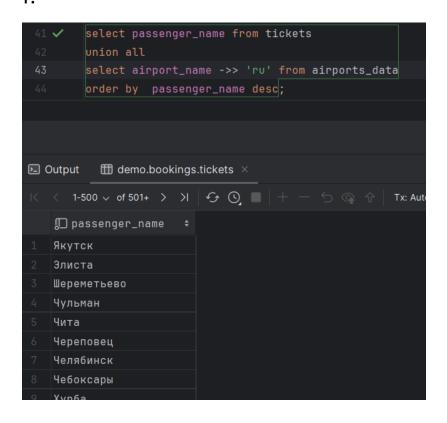
e.

```
34 🗸
        select flight_no, scheduled_departure, count(ticket_no) as passangers
        from flights
           full join bookings.ticket_flights tf on flights.flight_id = tf.flight_id
        group by flight_no, scheduled_departure
        having count(ticket_no) between 27 and 90
        order by flight_no desc, scheduled_departure desc, passangers desc;
|< < 1-500 \( \sigma \) of 501+ \( \sigma \) | ← ⑤ □ □ □ □</p>

  □ passangers ‡

   PG0710
                      2017-09-12 01:25:00.000000 +00:00
                      2017-09-05 01:25:00.000000 +00:00
                                                                               57
   PG0710
   PG0710
                      2017-08-29 01:25:00.000000 +00:00
                                                                               78
                      2017-08-22 01:25:00.000000 +00:00
   PG0710
                                                                               82
                      2017-08-15 01:25:00.000000 +00:00
   PG0710
                                                                               89
                      2017-08-08 01:25:00.000000 +00:00
6 PG0710
                      2017-08-01 01:25:00.000000 +00:00
   PG0710
   PG0710
                      2017-07-25 01:25:00.000000 +00:00
                      2017-09-04 17:20:00.000000 +00:00
   PG0709
                                                                               44
                      2017-08-28 17:20:00.000000 +00:00
   PG0709
   PG0709
                      2017-08-21 17:20:00.000000 +00:00
```

f.



g.

```
select passenger_name, 'пассажир' as type from tickets
      union all
      select airport_name ->> 'ru', 'аэропорт' as type from airports_data
      order by type desc, passenger_name desc;
1 ZULFIYA ZOTOVA
                     пассажир
  ZULFIYA ZOTOVA
                      пассажир
3 ZULFIYA ZHURAVLEVA
                     пассажир
4 ZULFIYA ZAYCEVA
                      пассажир
5 ZULFIYA ZAYCEVA
                      пассажир
  ZULFIYA ZAKHAROVA
                      пассажир
  ZULFIYA ZAKHAROVA
                      пассажир
  ZIILETYA VOROREVA
```

h.

```
select count(*)

from flights f left join bookings.ticket_flights tf on f.flight_id = tf.flight_id

where tf.ticket_no is null

tf

Coutput ff count(*):bigint ×

Count ÷

10895
```

i. (updated 2023-12-20)

j.

