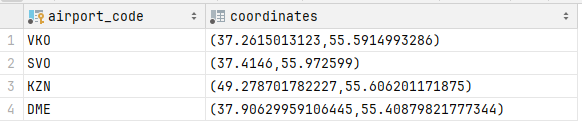
SQL запросы

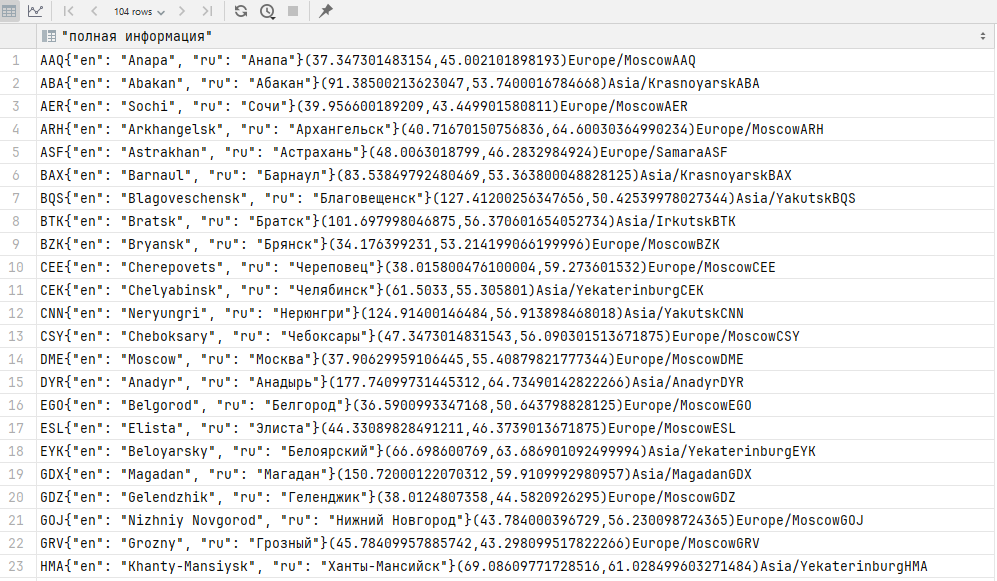
A

Select airport\_code, coordinates  
from airports\_data  
where city ->> 'ru' = 'Казань'  
 or city ->> 'ru' = 'Москва'  
ORDER BY airport\_code DESC;



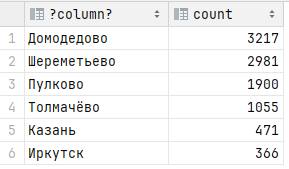
B

Select airports\_data.airport\_code || airports\_data.city || airports\_data.coordinates || airports\_data.timezone ||  
 airports\_data.airport\_code as "полная информация"  
from airports\_data  
ORDER BY "полная информация";



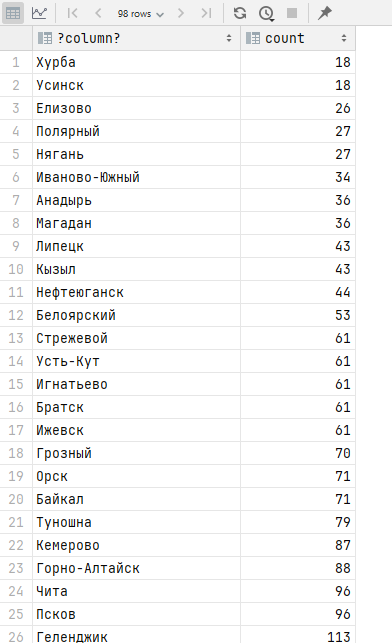
C

select airports\_data.airport\_name ->> 'ru', *count*(*\**)  
from flights  
 join airports\_data on airport\_code = departure\_airport  
where flights.departure\_airport in ('KZN', 'DME', 'OVB', 'IKT', 'LED', 'SVO')  
group by airports\_data.airport\_name  
ORDER BY *count*(*\**) Desc;



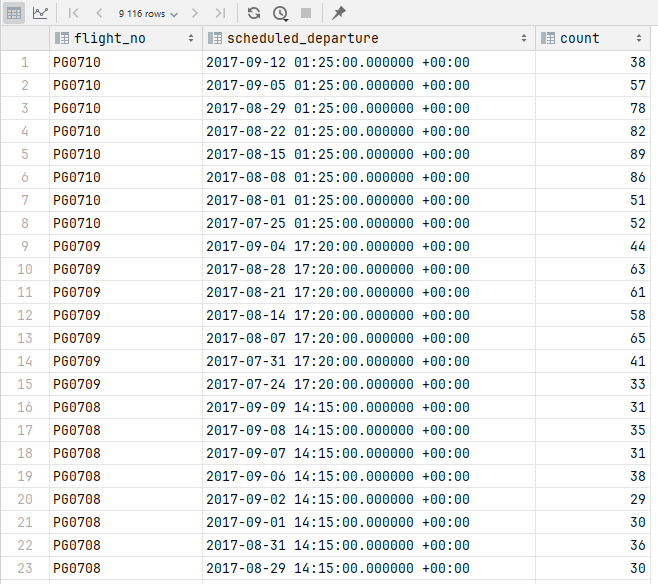
D

select airports\_data.airport\_name ->> 'ru', *count*(*\**)  
from flights  
 join airports\_data on airport\_code = departure\_airport  
where flights.departure\_airport not in ('KZN', 'DME', 'OVB', 'IKT', 'LED', 'SVO')  
group by airports\_data.airport\_name  
ORDER BY *count*(*\**);



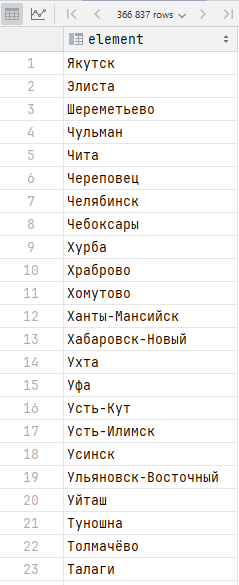
E

select flights.flight\_no, flights.scheduled\_departure, *count*(ticket\_flights)  
from flights  
 JOIN ticket\_flights on flights.flight\_id = ticket\_flights.flight\_id  
group by flights.flight\_no, scheduled\_departure  
HAVING *count*(ticket\_flights) between 27 and 90  
ORDER BY flight\_no DESC, scheduled\_departure DESC, *count*(ticket\_flights) DESC;



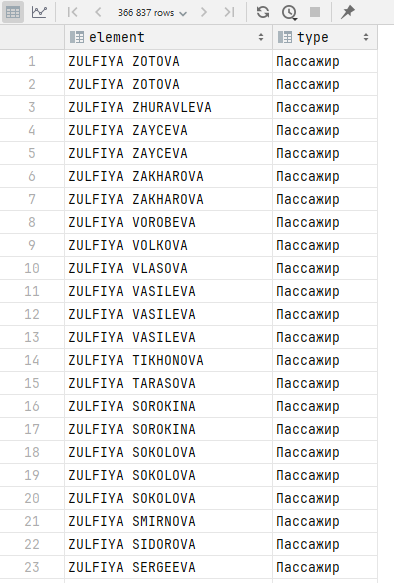
F

select tickets.passenger\_name as element  
from tickets  
UNION ALL  
select airports\_data.airport\_name ->> 'ru'  
from airports\_data  
ORDER BY element DESC;



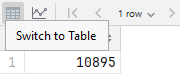
G

select tickets.passenger\_name as element, 'Пассажир' type  
from tickets  
UNION ALL  
select airports\_data.airport\_name ->> 'ru', 'Аэропорт'  
from airports\_data  
ORDER BY type DESC, element DESC;



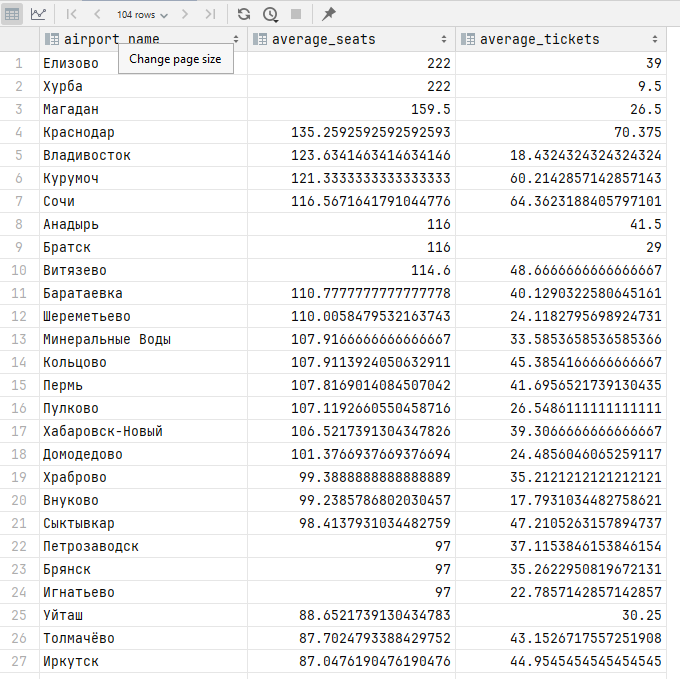
H

select *count*(*\**)  
from flights  
 LEFT JOIN ticket\_flights on flights.flight\_id = ticket\_flights.flight\_id  
where ticket\_flights.flight\_id is null;



I

select airport\_name ->> 'ru' as airport\_name,  
 (  
 Select *AVG*(param)  
 FROM (  
 select *count*(seats) as param from seats  
 join aircrafts\_data on seats.aircraft\_code = aircrafts\_data.aircraft\_code  
 join flights on aircrafts\_data.aircraft\_code = flights.aircraft\_code  
 join airports\_data as air on flights.departure\_airport = air.airport\_code  
 where air.airport\_code = airports\_data.**airport\_code** and (select *extract*(MONTH FROM scheduled\_departure)) = 9  
 group by flight\_id  
 ) as alias  
 ) as average\_seats,  
 (  
 Select *AVG*(param)  
 FROM (  
 select *count*(ticket\_flights) as param from ticket\_flights  
 join flights on ticket\_flights.flight\_id = flights.flight\_id  
 join airports\_data as air on flights.departure\_airport = air.airport\_code  
 where air.airport\_code = airports\_data.**airport\_code** and (select *extract*(MONTH FROM scheduled\_departure)) = 9  
 group by flights.flight\_id  
 ) as alias  
 ) as average\_tickets  
 from airports\_data  
 *-- where (select extract(MONTH FROM scheduled\_departure)) = 9* group by airport\_name ->> 'ru', airport\_code  
 order by average\_seats desc, average\_tickets desc;



J

*-- J*Select flight\_no, *min*(amount) as min\_price, *max*(amount) as max\_price from ticket\_flights  
join flights on ticket\_flights.flight\_id = flights.flight\_id  
group by flight\_no  
order by flight\_no;

