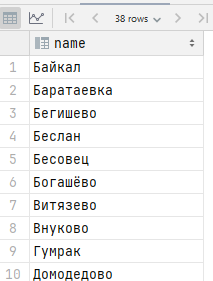
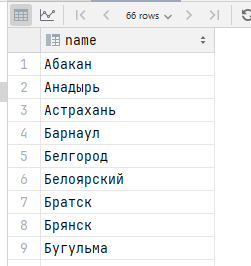
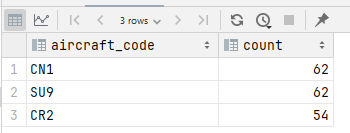
*-- 1*select airports\_data.airport\_name ->> 'ru' as name from airports\_data  
EXCEPT  
SELECT airports\_data.city ->> 'ru' from airports\_data  
order by name;

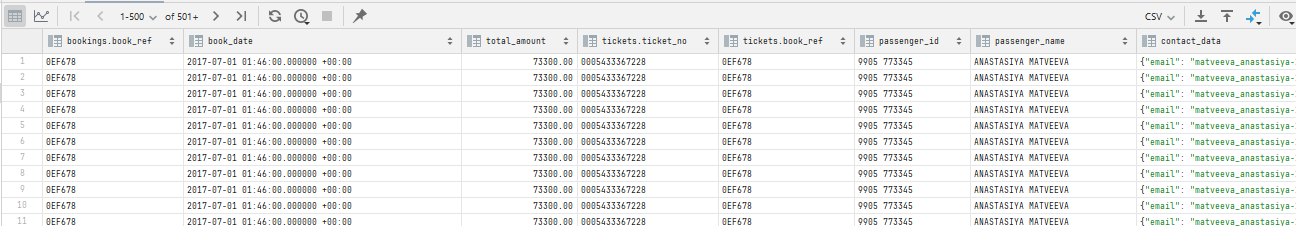


*-- 2*select airports\_data.airport\_name ->> 'ru' as name from airports\_data  
INTERSECT  
SELECT airports\_data.city ->> 'ru' from airports\_data  
order by name;

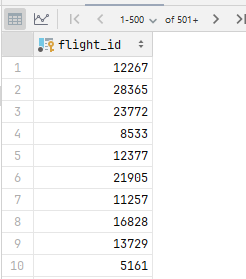
  
  
*-- 3*select flights.aircraft\_code, *count*(*\**) from flights  
join aircrafts\_data on flights.aircraft\_code = aircrafts\_data.aircraft\_code  
where departure\_airport = 'KZN' and (select *extract*(YEAR from scheduled\_departure)) = 2017 and (select *extract*(Month from scheduled\_departure)) = 8  
group by flights.aircraft\_code  
having *count*(*\**) > 50  
order by *count*(*\**) desc, flights.aircraft\_code;

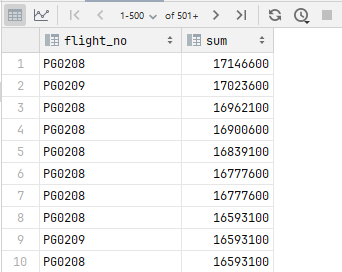


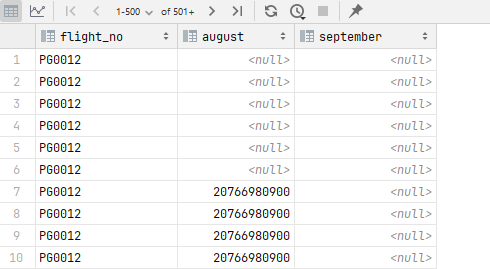
*-- 4*select *\** from bookings  
join tickets on bookings.book\_ref = tickets.book\_ref  
join ticket\_flights on tickets.ticket\_no = ticket\_flights.ticket\_no  
join boarding\_passes on ticket\_flights.ticket\_no = boarding\_passes.ticket\_no and ticket\_flights.flight\_id = boarding\_passes.flight\_id  
join flights on ticket\_flights.flight\_id = flights.flight\_id  
join airports\_data on flights.departure\_airport = airports\_data.airport\_code  
join aircrafts\_data on flights.aircraft\_code = aircrafts\_data.aircraft\_code  
join seats on aircrafts\_data.aircraft\_code = seats.aircraft\_code



*-- 5*select flights.flight\_id  
from ticket\_flights  
 RIGHT JOIN flights on flights.flight\_id = ticket\_flights.flight\_id  
where ticket\_flights.flight\_id is null;

  
  
*-- 6*select flight\_no, *sum*(ticket\_flights.amount) as sum from ticket\_flights  
join flights on ticket\_flights.flight\_id = flights.flight\_id  
group by flight\_no, scheduled\_departure  
having (select *extract*(YEAR from scheduled\_departure)) = 2017 and (select *extract*(Month from scheduled\_departure)) = 8  
order by sum desc;

  
  
*-- 7*select flight\_no,  
 (select *sum*(amount) from ticket\_flights where ((select *extract*(YEAR from scheduled\_departure)) = 2017 and (select *extract*(Month from scheduled\_departure)) = 8 and flights.**flight\_id** = ticket\_flights.flight\_id)) as august,  
 (select *sum*(amount) from ticket\_flights where ((select *extract*(YEAR from scheduled\_departure)) = 2017 and (select *extract*(Month from scheduled\_departure)) = 9 and flights.**flight\_id** = ticket\_flights.flight\_id)) as september from ticket\_flights  
join flights on ticket\_flights.flight\_id = flights.flight\_id  
group by flight\_no, scheduled\_departure  
order by flight\_no, september desc , august desc;



*-- 8*select tickets.passenger\_name from tickets  
where passenger\_name ilike '%iRiNa%'  
group by tickets.passenger\_name

