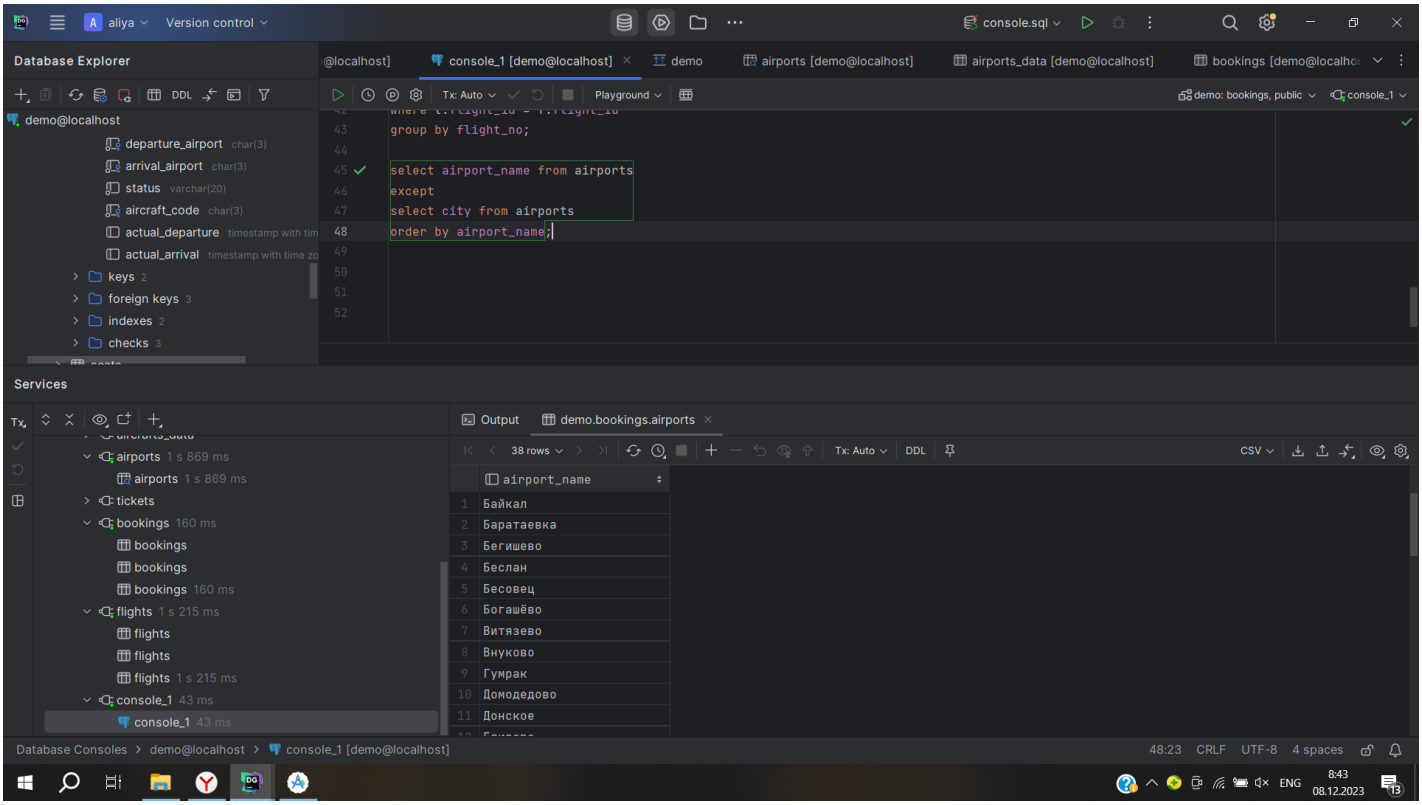
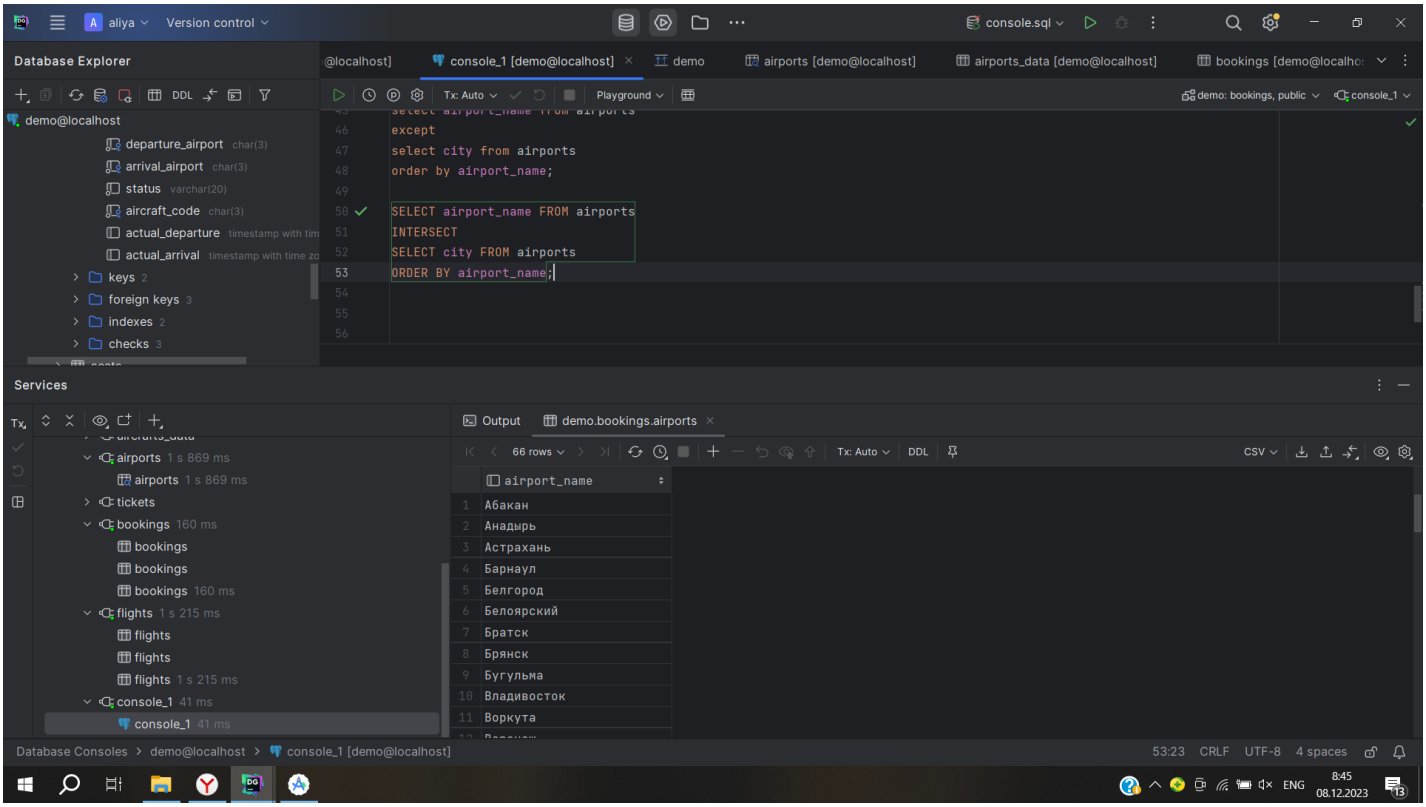
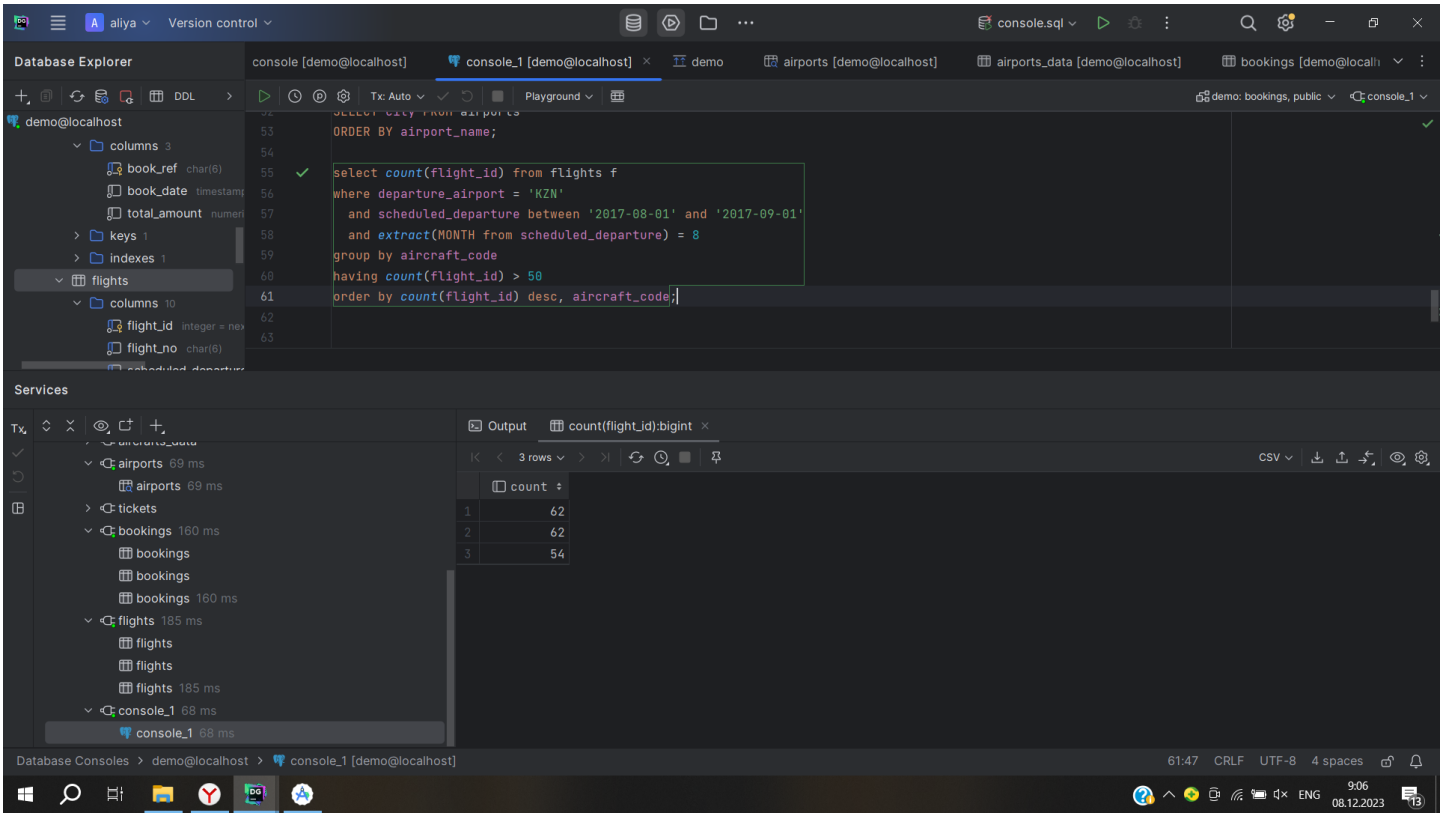
1)


group by flight_no;
select airport_name from airports
except
select city from airports
order by airport_name;
airport_name
Байкал
Баратаевка
Бегишево
Беслан
Бесовец
Богашёво
Витязево
Внуково
Гумрак
Домодедово
Донское

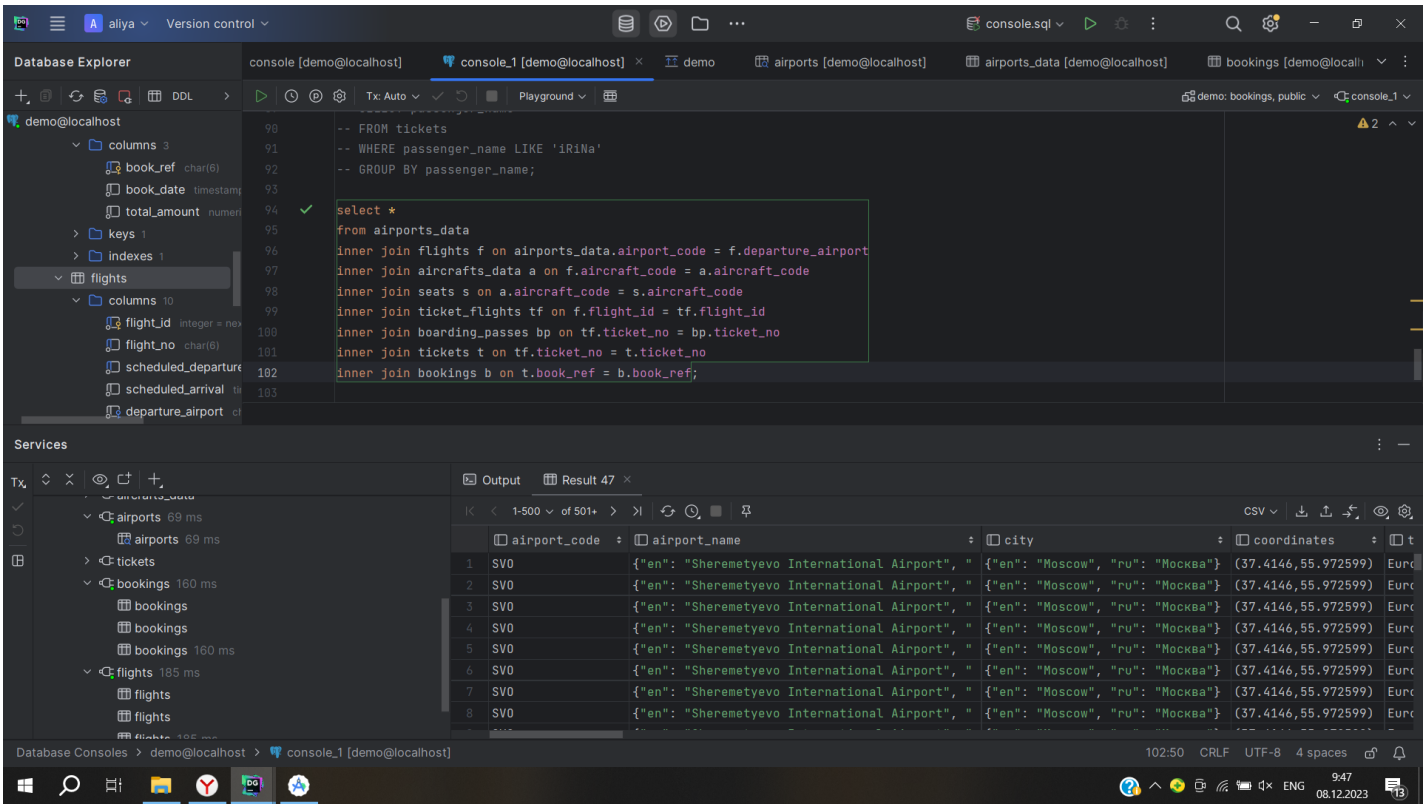
2)


except
select city from airports
order by airport_name;
SELECT airport_name FROM airports
INTERSECT
SELECT city FROM airports
ORDER BY airport_name;
airport_name
Абакан
Анадырь
Астрахань
Барнаул
Белгород
Белоярский
Братск
Брянск
Бугульма
Владивосток
Воркута

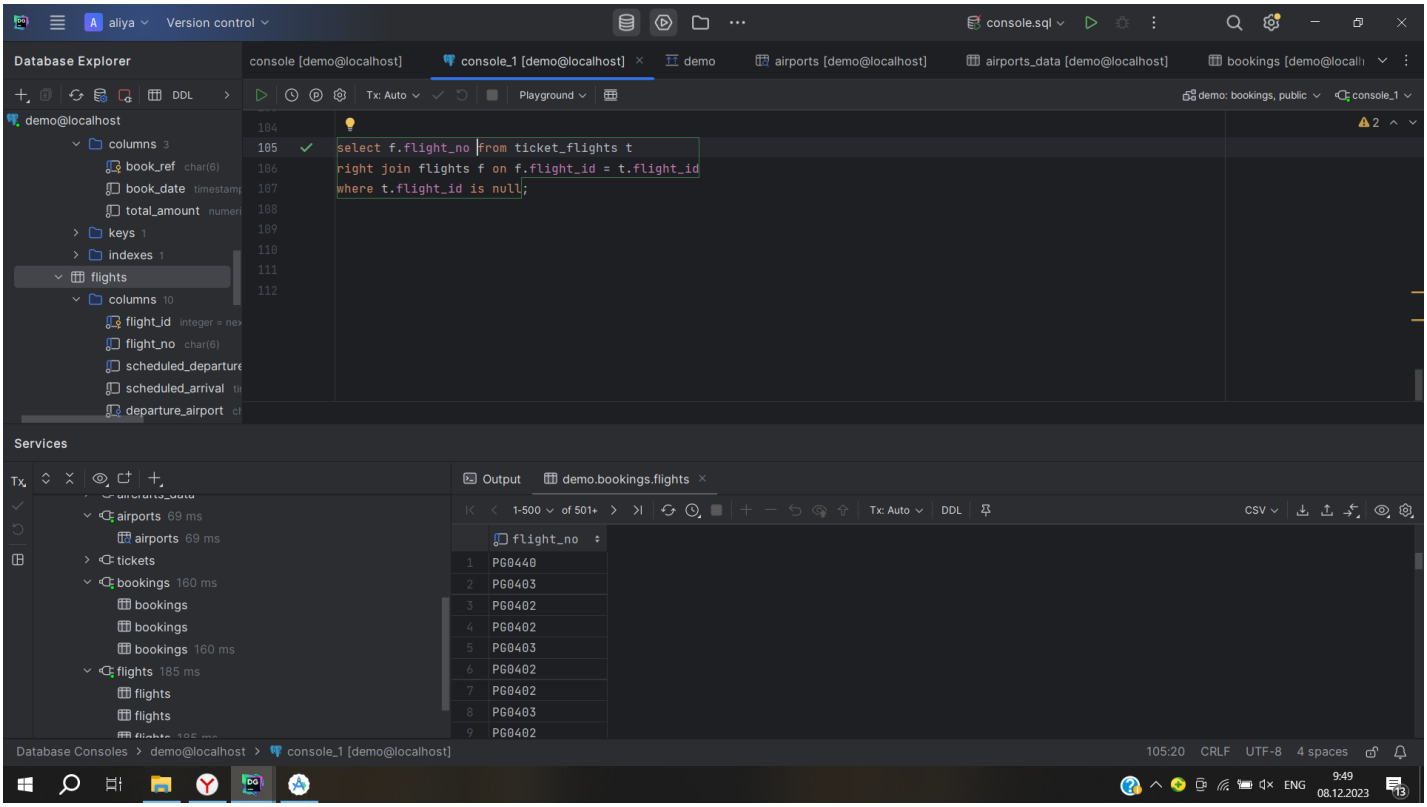
3)


ORDER BY airport_name;
select count(flight_id) from flights f
where departure_airport = 'KZN'
and scheduled_departure between '2017-08-01' and '2017-09-01'
and extract(MONTH from scheduled_departure) = 8
group by aircraft_code
having count(flight_id) > 50
order by count(flight_id) desc, aircraft_code;
count
62
62
54

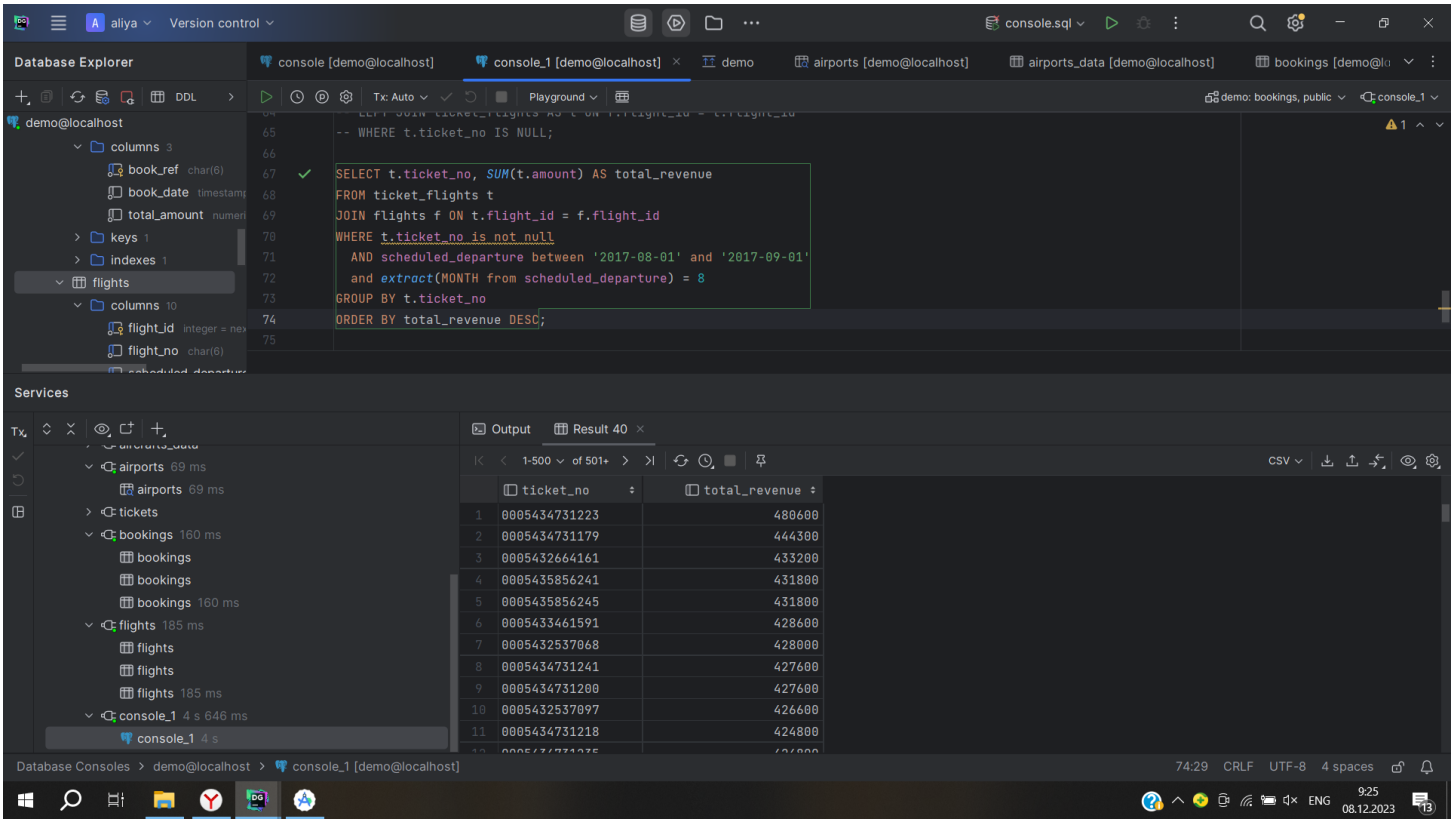
4)


-- FROM tickets
-- WHERE passenger_name LIKE 'iRiNa'
-- GROUP BY passenger_name;
select *
from airports_data
inner join flights f on airports_data.airport_code = f.departure_airport
inner join aircrafts_data a on f.aircraft_code = a.aircraft_code
inner join seats s on a.aircraft_code = s.aircraft_code
inner join ticket_flights tf on f.flight_id = tf.flight_id
inner join boarding_passes bp on tf.ticket_no = bp.ticket_no
inner join tickets t on tf.ticket_no = t.ticket_no
inner join bookings b on t.book_ref = b.book_ref;
airport_code
airport_name
city
coordinates
SVO
{"en": "Sheremetyevo International Airport", "ru": "Шереметьево"}
{"en": "Moscow", "ru": "Москва"}
(37.4146,55.972599)

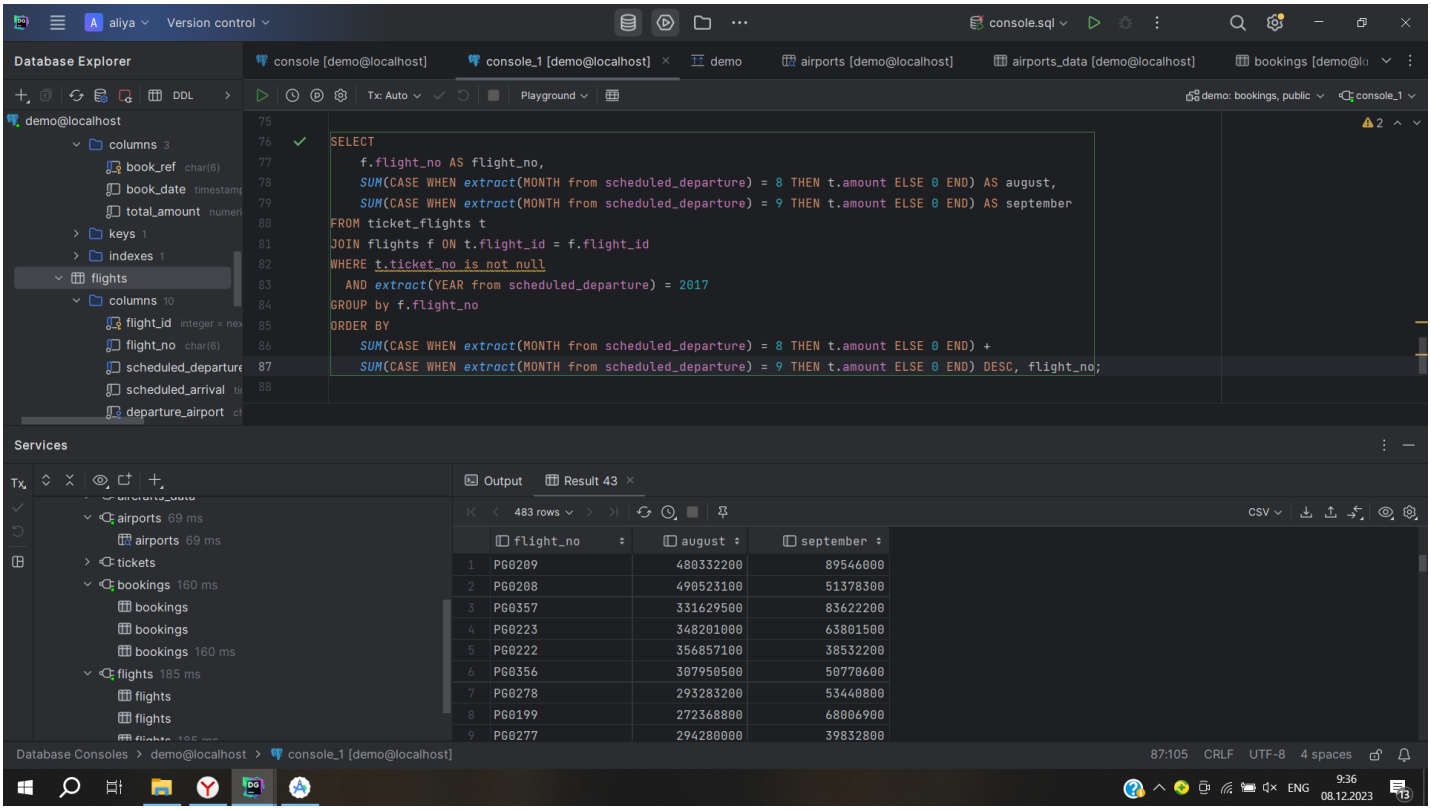
5)


select f.flight_no from ticket_flights t
right join flights f on f.flight_id = t.flight_id
where t.flight_id is null;
flight_no
PG0440
PG0403
PG0402
PG0402
PG0403
PG0402
PG0402
PG0403
PG0402

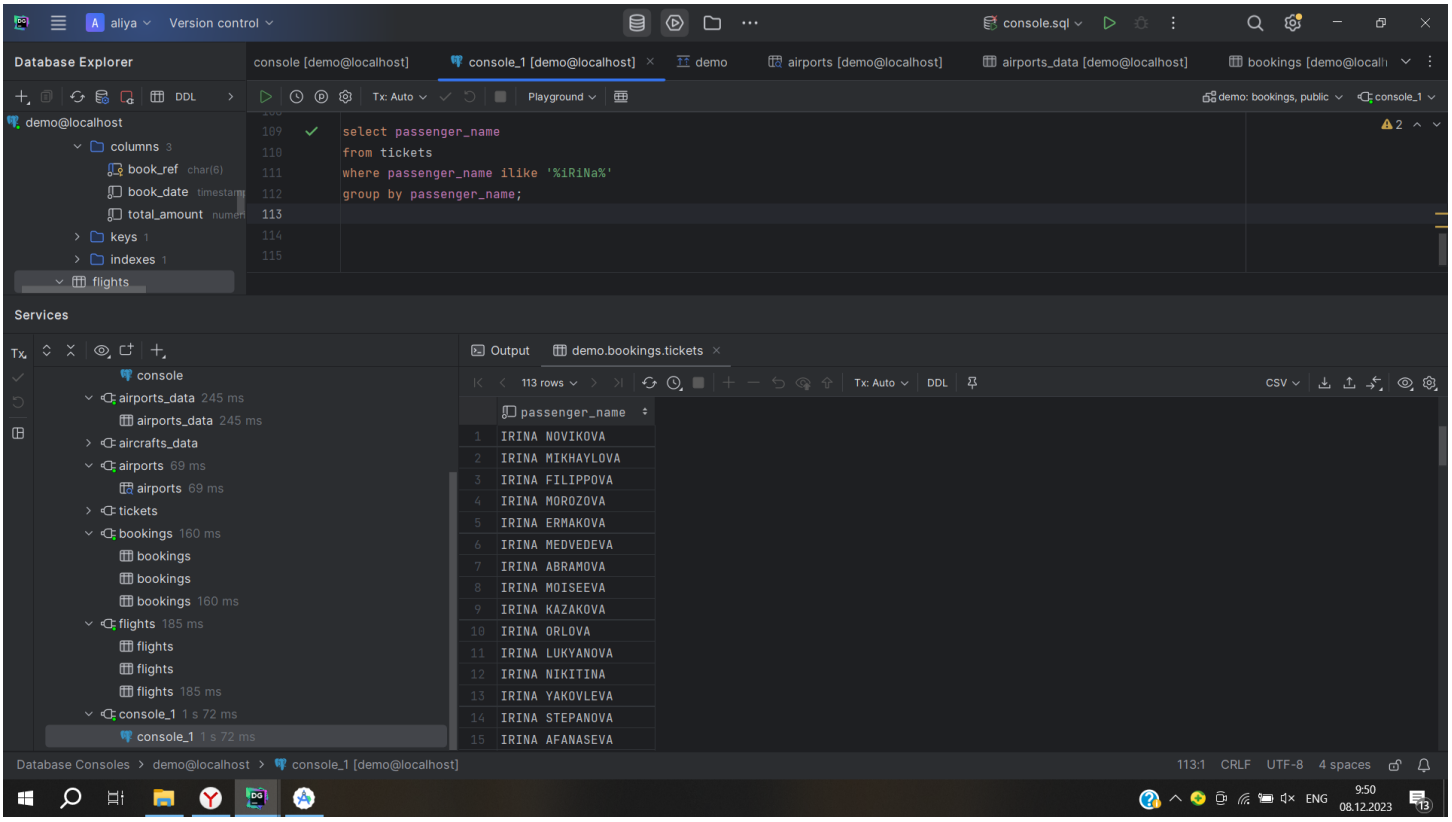
6)


SELECT t.ticket_no, SUM(t.amount) AS total_revenue
FROM ticket_flights t
JOIN flights f ON t.flight_id = f.flight_id
WHERE t.ticket_no is not null
AND scheduled_departure between '2017-08-01' and '2017-09-01'
and extract(MONTH from scheduled_departure) = 8
GROUP BY t.ticket_no
ORDER BY total_revenue DESC;
ticket_no
total_revenue
0005434731223
480600
0005434731179
444300
0005432664161
433200
0005435856241
431800
0005435856245
431800
0005433461591
428600
0005432537068
428000
0005434731241
427600
0005434731200
427600
0005432537097
426600
0005434731218
424800

7)


Database Explorer
console [demo@localhost]
console_1 [demo@localhost]
demo
airports [demo@localhost]
airports_data [demo@localhost]
bookings [demo@lo
demo@localhost
columns 3
book_ref char(6)
book_date timestamp
total_amount numeri
keys 1
indexes 1
flights
columns 10
flight_id integer = nex
flight_no char(6)
scheduled_departure
scheduled_arrival
departure_airport
SELECT
f.flight_no AS flight_no,
SUM(CASE WHEN extract(MONTH from scheduled_departure) = 8 THEN t.amount ELSE 0 END) AS august,
SUM(CASE WHEN extract(MONTH from scheduled_departure) = 9 THEN t.amount ELSE 0 END) AS september
FROM ticket_flights t
JOIN flights f ON t.flight_id = f.flight_id
WHERE t.ticket_no is not null
AND extract(YEAR from scheduled_departure) = 2017
GROUP by f.flight_no
ORDER BY
SUM(CASE WHEN extract(MONTH from scheduled_departure) = 8 THEN t.amount ELSE 0 END) +
SUM(CASE WHEN extract(MONTH from scheduled_departure) = 9 THEN t.amount ELSE 0 END) DESC, flight_no;
Services
Output
Result 43
483 rows
flight_no
august
september
PG0209 480332200 89546000
PG0208 490523100 51378300
PG0357 331629500 83622200
PG0223 348201000 63801500
PG0222 356857100 38532200
PG0356 307950500 50770600
PG0278 293283200 53440800
PG0199 272368800 68006900
PG0277 294280000 39832800
Database Consoles
demo@localhost
console_1 [demo@localhost]
87:105
CRLF
UTF-8
4 spaces
9:36
08.12.2023

8)


Database Explorer
console [demo@localhost]
console_1 [demo@localhost]
demo
airports [demo@localhost]
airports_data [demo@localhost]
bookings [demo@localh
demo@localhost
columns 3
book_ref char(6)
book_date timestamp
total_amount numeri
keys 1
indexes 1
flights
select passenger_name
from tickets
where passenger_name ilike '%iRiNa%'
group by passenger_name;
Services
Output
demo.bookings.tickets
113 rows
passenger_name
IRINA NOVIKOVA
IRINA MIKHAYLOVA
IRINA FILIPPOVA
IRINA MOROZOVA
IRINA ERMAKOVA
IRINA MEDVEDEVA
IRINA ABRAMOVA
IRINA MOISEEVA
IRINA KAZAKOVA
IRINA ORLOVA
IRINA LUKYANOVA
IRINA NIKITINA
IRINA YAKOVLEVA
IRINA STEPANOVA
IRINA AFANASEVA
Database Consoles
demo@localhost
console_1 [demo@localhost]
113:1
CRLF
UTF-8
4 spaces
9:50
08.12.2023