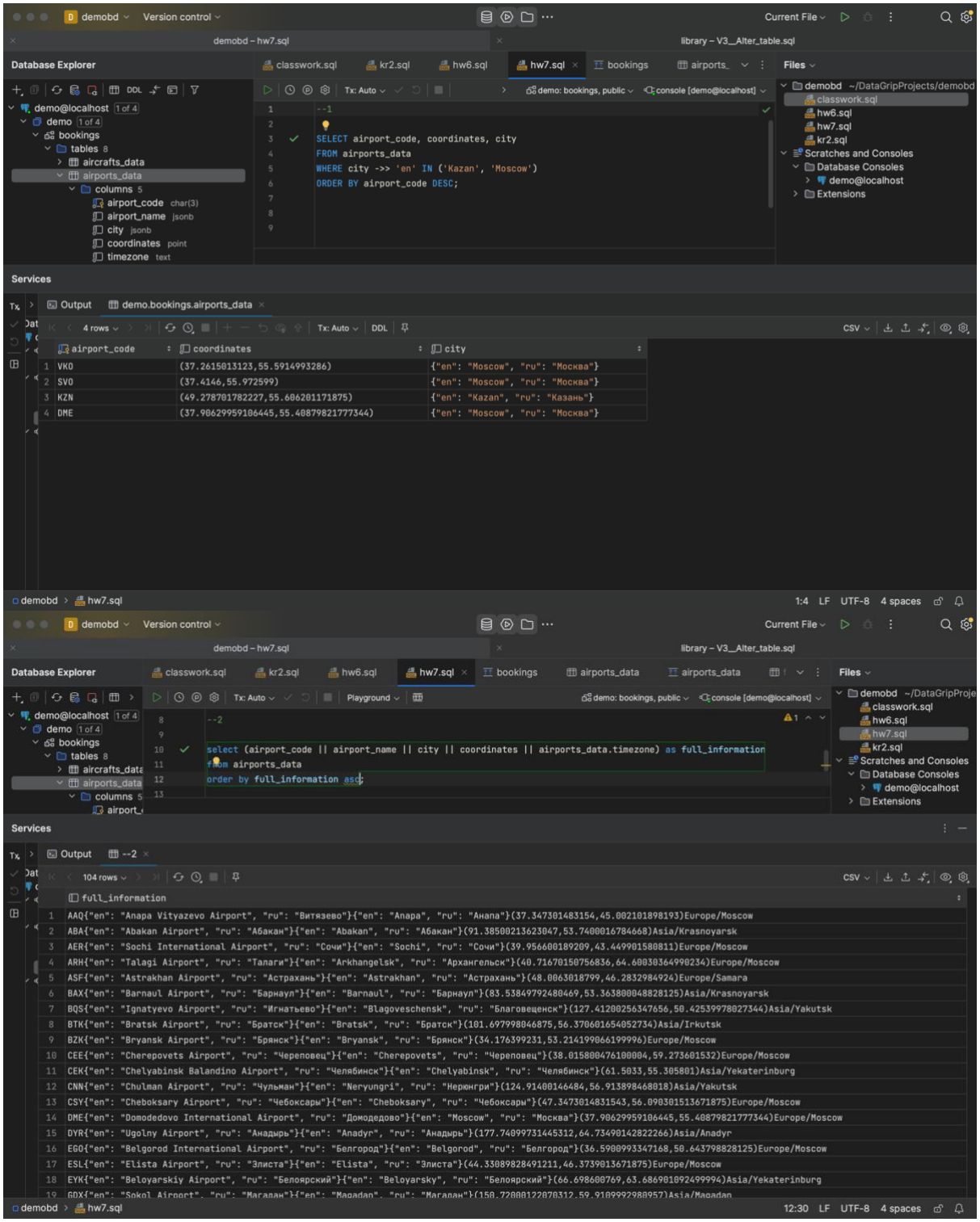
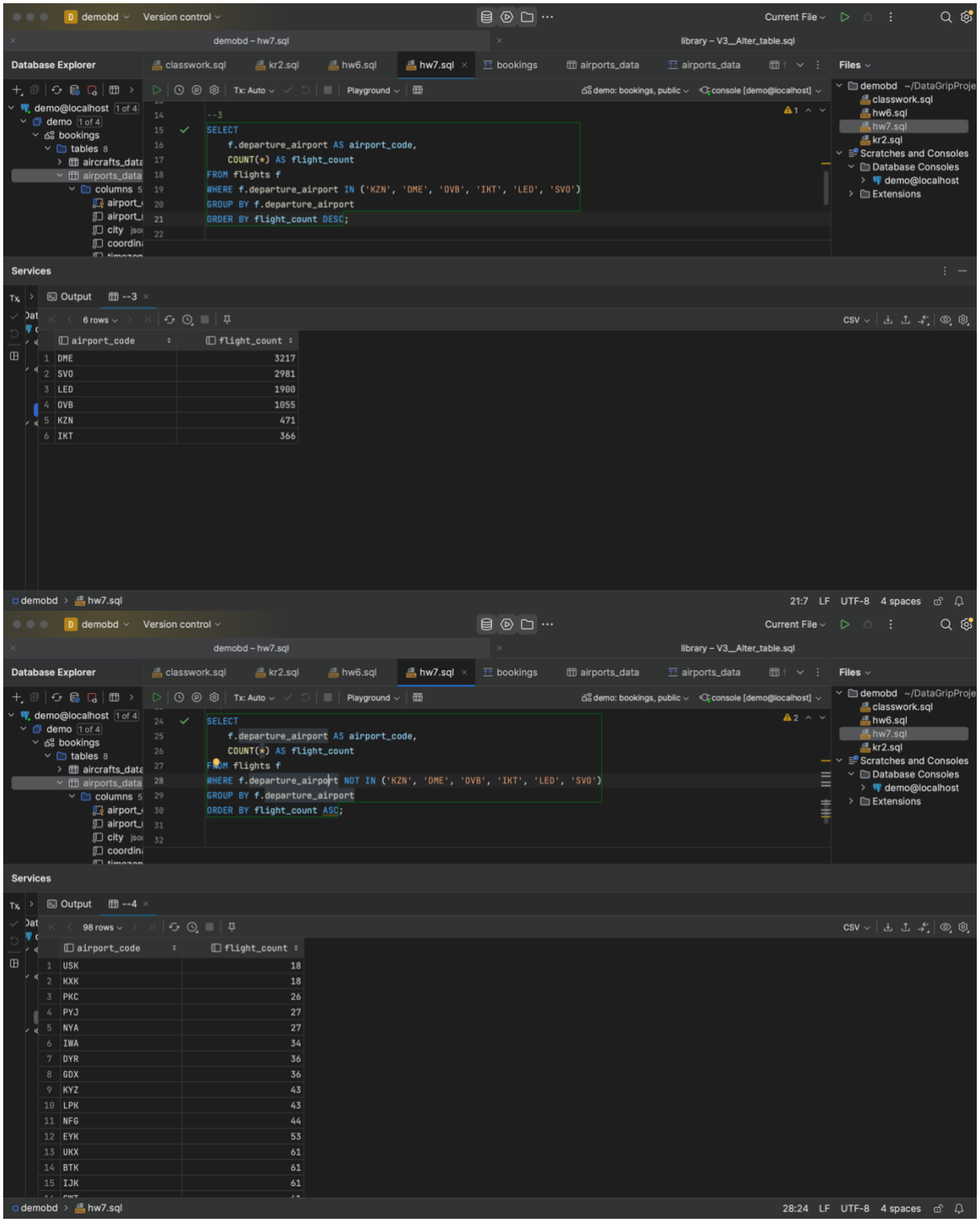
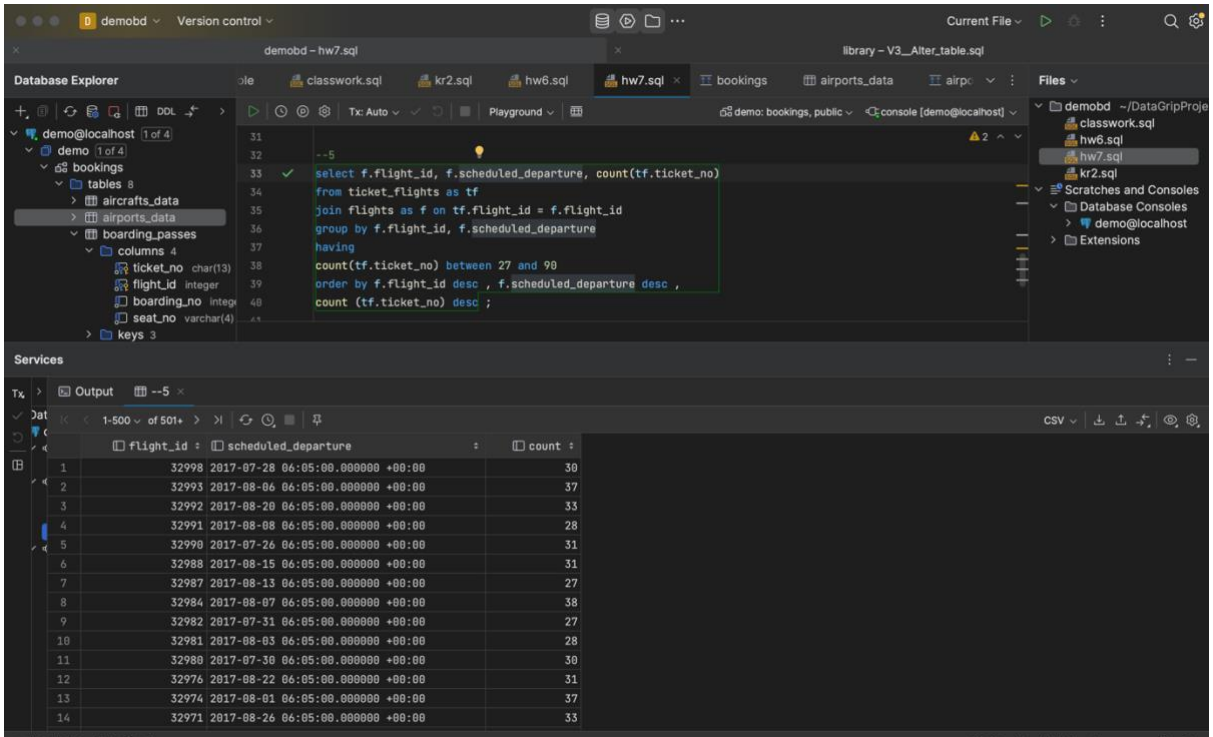
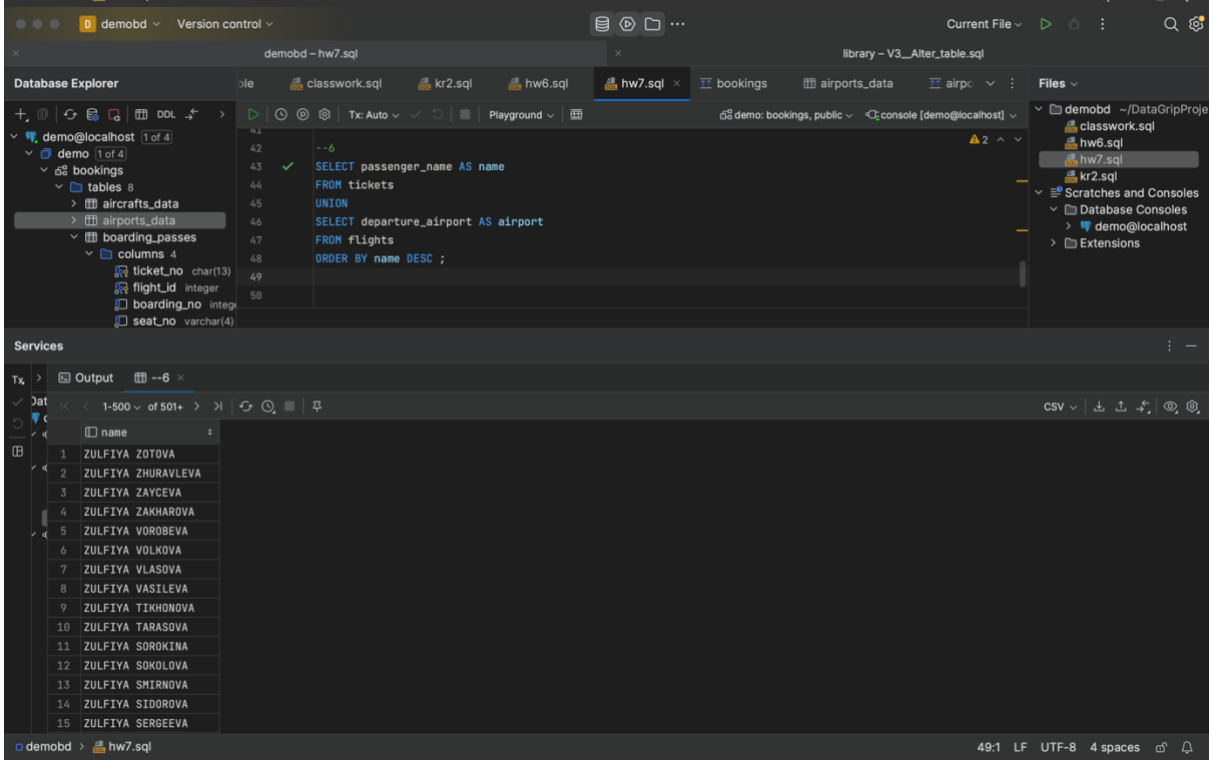
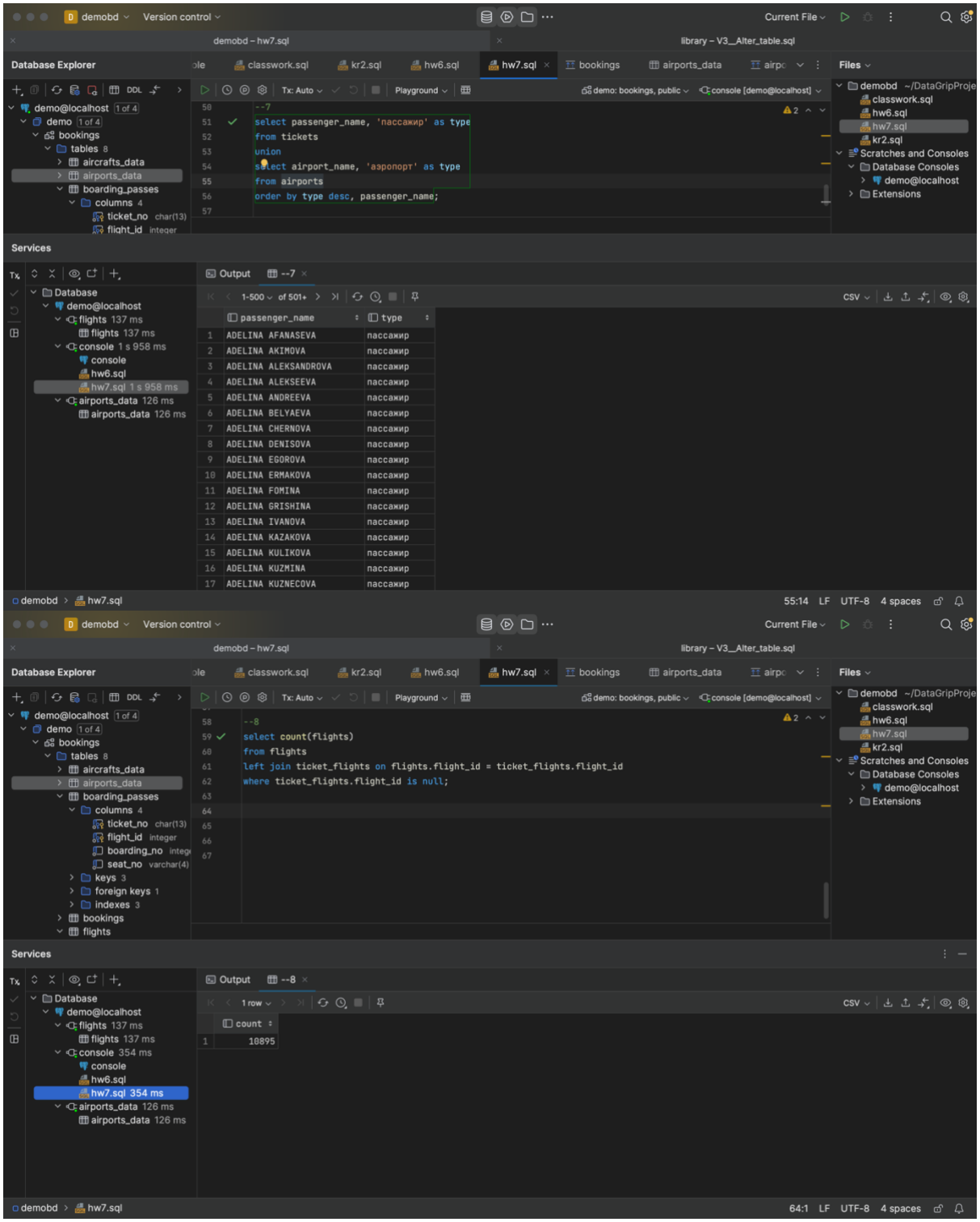

demobd
Version control
Current File
demobd – hw7.sql
library – V3__Alter_table.sql
Database Explorer
classwork.sql
kr2.sql
hw6.sql
hw7.sql
bookings
airports_
Files
demo@localhost 1 of 4
demo 1 of 4
bookings
tables 8
aircrafts_data
airports_data
columns 5
airport_code char(3)
airport_name jsonb
city jsonb
coordinates point
timezone text
--1
SELECT airport_code, coordinates, city
FROM airports_data
WHERE city ->> 'en' IN ('Kazan', 'Moscow')
ORDER BY airport_code DESC;
demobd ~/DataGripProjects/demobd
classwork.sql
hw6.sql
hw7.sql
kr2.sql
Scratches and Consoles
Database Consoles
demo@localhost
Extensions
Services
Output
demo.bookings.airports_data
4 rows
Tx: Auto
DDL
CSV
airport_code
coordinates
city
1 VKO (37.2615013123,55.5914993286) {"en": "Moscow", "ru": "Москва"}
2 SVO (37.4146,55.972599) {"en": "Moscow", "ru": "Москва"}
3 KZN (49.278701782227,55.606201171875) {"en": "Kazan", "ru": "Казань"}
4 DME (37.90629959106445,55.40879821777344) {"en": "Moscow", "ru": "Москва"}
demobd
hw7.sql
1:4 LF UTF-8 4 spaces
Playground
--2
select (airport_code || airport_name || city || coordinates || airports_data.timezone) as full_information
from airports_data
order by full_information asc;
--2
104 rows
full_information
1 AAQ{"en": "Anapa Vityazevo Airport", "ru": "Витязево"}{"en": "Anapa", "ru": "Анапа"}(37.347301483154,45.002101898193)Europe/Moscow
2 ABA{"en": "Abakan Airport", "ru": "Абакан"}{"en": "Abakan", "ru": "Абакан"}(91.38500213623047,53.7400016784668)Asia/Krasnoyarsk
3 AER{"en": "Sochi International Airport", "ru": "Сочи"}{"en": "Sochi", "ru": "Сочи"}(39.956600189209,43.449901580811)Europe/Moscow
4 ARH{"en": "Talagi Airport", "ru": "Талаги"}{"en": "Arkhangelsk", "ru": "Архангельск"}(40.71670150756836,64.60030364990234)Europe/Moscow
5 ASF{"en": "Astrakhan Airport", "ru": "Астрахань"}{"en": "Astrakhan", "ru": "Астрахань"}(48.0063018799,46.2832984924)Europe/Samara
6 BAX{"en": "Barnaul Airport", "ru": "Барнаул"}{"en": "Barnaul", "ru": "Барнаул"}(83.538497924804 69,53.363800048828125)Asia/Krasnoyarsk
7 BQS{"en": "Ignatyevo Airport", "ru": "Игнатьево"}{"en": "Blagoveschensk", "ru": "Благовещенск"}(127.41200256347656,50.42539978027344)Asia/Yakutsk
8 BTK{"en": "Bratsk Airport", "ru": "Братск"}{"en": "Bratsk", "ru": "Братск"}(101.6979980468 75,56.370601654052734)Asia/Irkutsk
9 BZK{"en": "Bryansk Airport", "ru": "Брянск"}{"en": "Bryansk", "ru": "Брянск"}(34.176399231,53.2141990661999 96)Europe/Moscow
10 CEE{"en": "Cherepovets Airport", "ru": "Череповец"}{"en": "Cherepovets", "ru": "Череповец"}(38.015800476100004,59.273601532)Europe/Moscow
11 CEK{"en": "Chelyabinsk Balandino Airport", "ru": "Челябинск"}{"en": "Chelyabinsk", "ru": "Челябинск"}(61.5033,55.305801)Asia/Yekaterinburg
12 CNN{"en": "Chulman Airport", "ru": "Чульман"}{"en": "Neryungri", "ru": "Нерюнгри"}(124.91400146484,56.9138984680 18)Asia/Yakutsk
13 CSY{"en": "Cheboksary Airport", "ru": "Чебоксары"}{"en": "Cheboksary", "ru": "Чебоксары"}(47.3473014831543,56.090301513671875)Europe/Moscow
14 DME{"en": "Domodedovo International Airport", "ru": "Домодедово"}{"en": "Moscow", "ru": "Москва"}(37.90629959106445,55.40879821777344)Europe/Moscow
15 DYR{"en": "Ugolny Airport", "ru": "Анадырь"}{"en": "Anadyr", "ru": "Анадырь"}(177.74099731445312,64.73490142822266)Asia/Anadyr
16 EGO{"en": "Belgorod International Airport", "ru": "Белгород"}{"en": "Belgorod", "ru": "Белгород"}(36.5900993347168,50.643798828125)Europe/Moscow
17 ESL{"en": "Elista Airport", "ru": "Элиста"}{"en": "Elista", "ru": "Элиста"}(44.33089828491211,46.3739013671875)Europe/Moscow
18 EYK{"en": "Beloyarskiy Airport", "ru": "Белоярский"}{"en": "Beloyarsky", "ru": "Белоярский"}(66.698600769,63.686981892499994)Asia/Yekaterinburg
19 GDX{"en": "Sokol Airport", "ru": "Магадан"}{"en": "Magadan", "ru": "Магадан"}(150.7200012207031 2,59.910999298095 7)Asia/Magadan
12:30 LF UTF-8 4 spaces

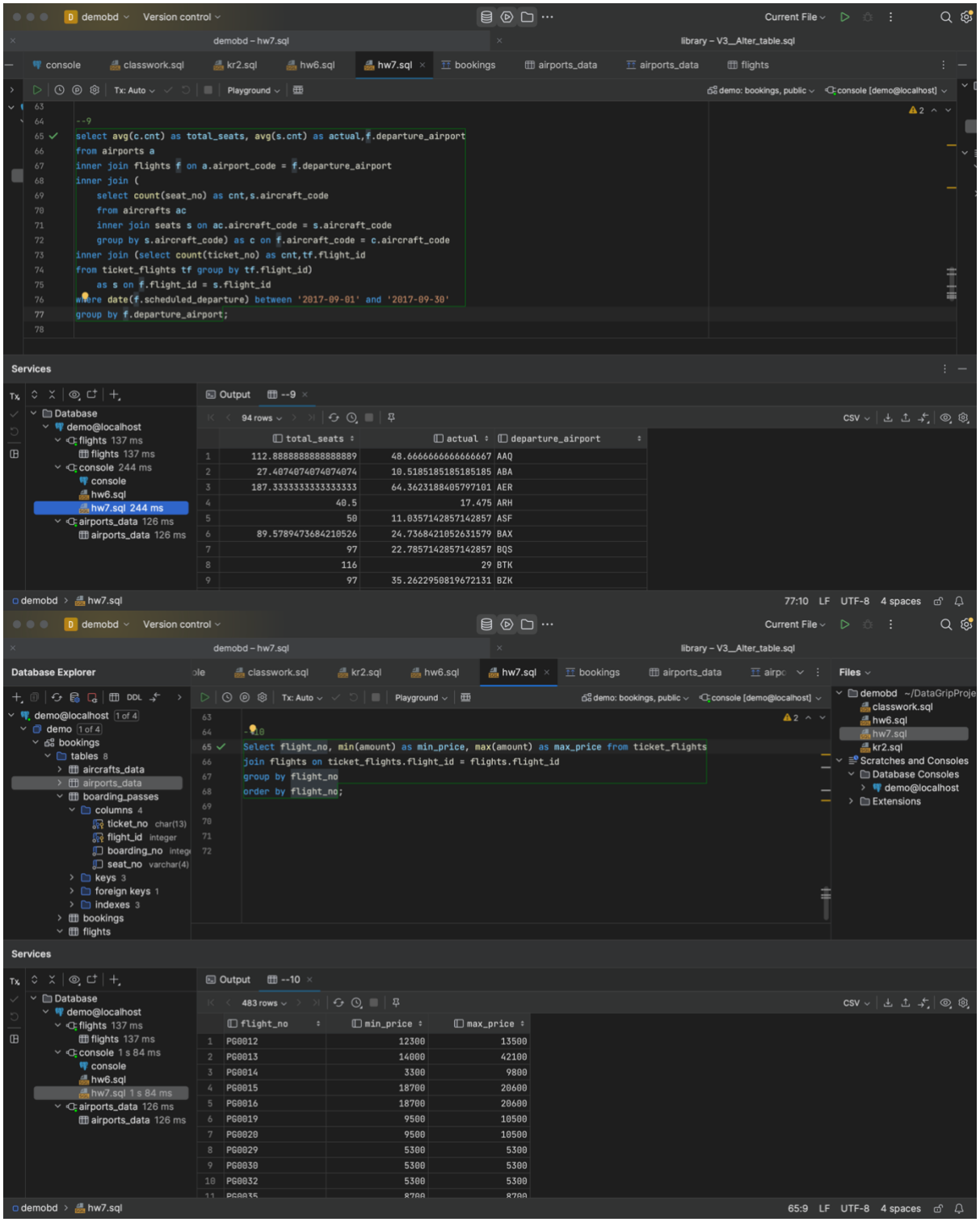

demobd
Version control
Current File
demobd – hw7.sql
library – V3__Alter_table.sql
Database Explorer
classwork.sql
kr2.sql
hw6.sql
hw7.sql
bookings
airports_data
Files
Playground
demo: bookings, public
console [demo@localhost]
--3
SELECT
f.departure_airport AS airport_code,
COUNT(*) AS flight_count
FROM flights f
WHERE f.departure_airport IN ('KZN', 'DME', 'OVB', 'IKT', 'LED', 'SVO')
GROUP BY f.departure_airport
ORDER BY flight_count DESC;
Services
Output
--3
6 rows
CSV
airport_code
flight_count
1 DME 3217
2 SVO 2981
3 LED 1900
4 OVB 1055
5 KZN 471
6 IKT 366
21:7 LF UTF-8 4 spaces
--4
SELECT
f.departure_airport AS airport_code,
COUNT(*) AS flight_count
FROM flights f
WHERE f.departure_airport NOT IN ('KZN', 'DME', 'OVB', 'IKT', 'LED', 'SVO')
GROUP BY f.departure_airport
ORDER BY flight_count ASC;
98 rows
1 USK 18
2 KXK 18
3 PKC 26
4 PYJ 27
5 NYA 27
6 IWA 34
7 DYR 36
8 GDX 36
9 KYZ 43
10 LPK 43
11 NFG 44
12 EYK 53
13 UKX 61
14 BTK 61
15 IJK 61
28:24 LF UTF-8 4 spaces


demobd
Version control
Current File
demobd – hw7.sql
library – V3__Alter_table.sql
Database Explorer
classwork.sql
kr2.sql
hw6.sql
hw7.sql
bookings
airports_data
Files
demobd ~/DataGripProje
classwork.sql
hw6.sql
hw7.sql
kr2.sql
Scratches and Consoles
Database Consoles
demo@localhost
Extensions
demo@localhost 1 of 4
demo 1 of 4
bookings
tables 8
aircrafts_data
airports_data
boarding_passes
columns 4
ticket_no char(13)
flight_id integer
boarding_no
seat_no varchar(4)
keys 3
Tx: Auto
Playground
demo: bookings, public
console [demo@localhost]
--5
select f.flight_id, f.scheduled_departure, count(tf.ticket_no)
from ticket_flights as tf
join flights as f on tf.flight_id = f.flight_id
group by f.flight_id, f.scheduled_departure
having
count(tf.ticket_no) between 27 and 90
order by f.flight_id desc , f.scheduled_departure desc ,
count (tf.ticket_no) desc ;
Services
Output
--5
1-500 of 501+
CSV
flight_id
scheduled_departure
count
1 32998 2017-07-28 06:05:00.000000 +00:00 30
2 32993 2017-08-06 06:05:00.000000 +00:00 37
3 32992 2017-08-20 06:05:00.000000 +00:00 33
4 32991 2017-08-08 06:05:00.000000 +00:00 28
5 32990 2017-07-26 06:05:00.000000 +00:00 31
6 32988 2017-08-15 06:05:00.000000 +00:00 31
7 32987 2017-08-13 06:05:00.000000 +00:00 27
8 32984 2017-08-07 06:05:00.000000 +00:00 38
9 32982 2017-07-31 06:05:00.000000 +00:00 27
10 32981 2017-08-03 06:05:00.000000 +00:00 28
11 32980 2017-07-30 06:05:00.000000 +00:00 30
12 32976 2017-08-22 06:05:00.000000 +00:00 31
13 32974 2017-08-01 06:05:00.000000 +00:00 37
14 32971 2017-08-26 06:05:00.000000 +00:00 33
demobd
hw7.sql
33:33 LF UTF-8 4 spaces


demobd
Version control
Current File
demobd – hw7.sql
library – V3__Alter_table.sql
Database Explorer
classwork.sql
kr2.sql
hw6.sql
hw7.sql
bookings
airports_data
Files
demobd ~/DataGripProje
classwork.sql
hw6.sql
hw7.sql
kr2.sql
Scratches and Consoles
Database Consoles
demo@localhost
Extensions
demo@localhost 1 of 4
demo 1 of 4
bookings
tables 8
aircrafts_data
airports_data
boarding_passes
columns 4
ticket_no char(13)
flight_id integer
boarding_no
seat_no varchar(4)
Tx: Auto
Playground
demo: bookings, public
console [demo@localhost]
--6
SELECT passenger_name AS name
FROM tickets
UNION
SELECT departure_airport AS airport
FROM flights
ORDER BY name DESC ;
Services
Output
--6
1-500 of 501+
CSV
name
1 ZULFIYA ZOTOVA
2 ZULFIYA ZHURAVLEVA
3 ZULFIYA ZAYCEVA
4 ZULFIYA ZAKHAROVA
5 ZULFIYA VOROBEVA
6 ZULFIYA VOLKOVA
7 ZULFIYA VLASOVA
8 ZULFIYA VASILEVA
9 ZULFIYA TIKHONOVA
10 ZULFIYA TARASOVA
11 ZULFIYA SOROKINA
12 ZULFIYA SOKOLOVA
13 ZULFIYA SMIRNOVA
14 ZULFIYA SIDOROVA
15 ZULFIYA SERGEEVA
demobd
hw7.sql
49:1 LF UTF-8 4 spaces


demobd – hw7.sql
library – V3__Alter_table.sql
Database Explorer
classwork.sql
kr2.sql
hw6.sql
hw7.sql
bookings
airports_data
Files
--7
select passenger_name, 'пассажир' as type
from tickets
union
select airport_name, 'аэропорт' as type
from airports
order by type desc, passenger_name;
Services
Output
--7
passenger_name
type
ADELINA AFANASEVA пассажир
ADELINA AKIMOVA пассажир
ADELINA ALEKSANDROVA пассажир
ADELINA ALEKSEEVA пассажир
ADELINA ANDREEVA пассажир
ADELINA BELYAEVA пассажир
ADELINA CHERNOVA пассажир
ADELINA DENISOVA пассажир
ADELINA EGOROVA пассажир
ADELINA ERMAKOVA пассажир
ADELINA FOMINA пассажир
ADELINA GRISHINA пассажир
ADELINA IVANOVA пассажир
ADELINA KAZAKOVA пассажир
ADELINA KULIKOVA пассажир
ADELINA KUZMINA пассажир
ADELINA KUZNECOVA пассажир
55:14 LF UTF-8 4 spaces

demobd – hw7.sql
library – V3__Alter_table.sql
Database Explorer
classwork.sql
kr2.sql
hw6.sql
hw7.sql
bookings
airports_data
Files
--8
select count(flights)
from flights
left join ticket_flights on flights.flight_id = ticket_flights.flight_id
where ticket_flights.flight_id is null;
Services
Output
--8
count
10895
64:1 LF UTF-8 4 spaces


demobd – hw7.sql
library – V3__Alter_table.sql
--9
select avg(c.cnt) as total_seats, avg(s.cnt) as actual,f.departure_airport
from airports a
inner join flights f on a.airport_code = f.departure_airport
inner join (
select count(seat_no) as cnt,s.aircraft_code
from aircrafts ac
inner join seats s on ac.aircraft_code = s.aircraft_code
group by s.aircraft_code) as c on f.aircraft_code = c.aircraft_code
inner join (select count(ticket_no) as cnt,tf.flight_id
from ticket_flights tf group by tf.flight_id)
as s on f.flight_id = s.flight_id
where date(f.scheduled_departure) between '2017-09-01' and '2017-09-30'
group by f.departure_airport;
Services
Output
--9
94 rows
total_seats
actual
departure_airport
1 112.8888888888888889 48.6666666666666667 AAQ
2 27.4074074074074074 10.5185185185185185 ABA
3 187.3333333333333333 64.3623188405797101 AER
4 40.5 17.475 ARH
5 50 11.0357142857142857 ASF
6 89.5789473684210526 24.7368421052631579 BAX
7 97 22.7857142857142857 BQS
8 116 29 BTK
9 97 35.2622950819672131 BZK
77:10 LF UTF-8 4 spaces

demobd – hw7.sql
library – V3__Alter_table.sql
Database Explorer
Files
--10
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;
Services
Output
--10
483 rows
flight_no
min_price
max_price
1 PG0012 12300 13500
2 PG0013 14000 42100
3 PG0014 3300 9800
4 PG0015 18700 20600
5 PG0016 18700 20600
6 PG0019 9500 10500
7 PG0020 9500 10500
8 PG0029 5300 5300
9 PG0030 5300 5300
10 PG0032 5300 5300
65:9 LF UTF-8 4 spaces