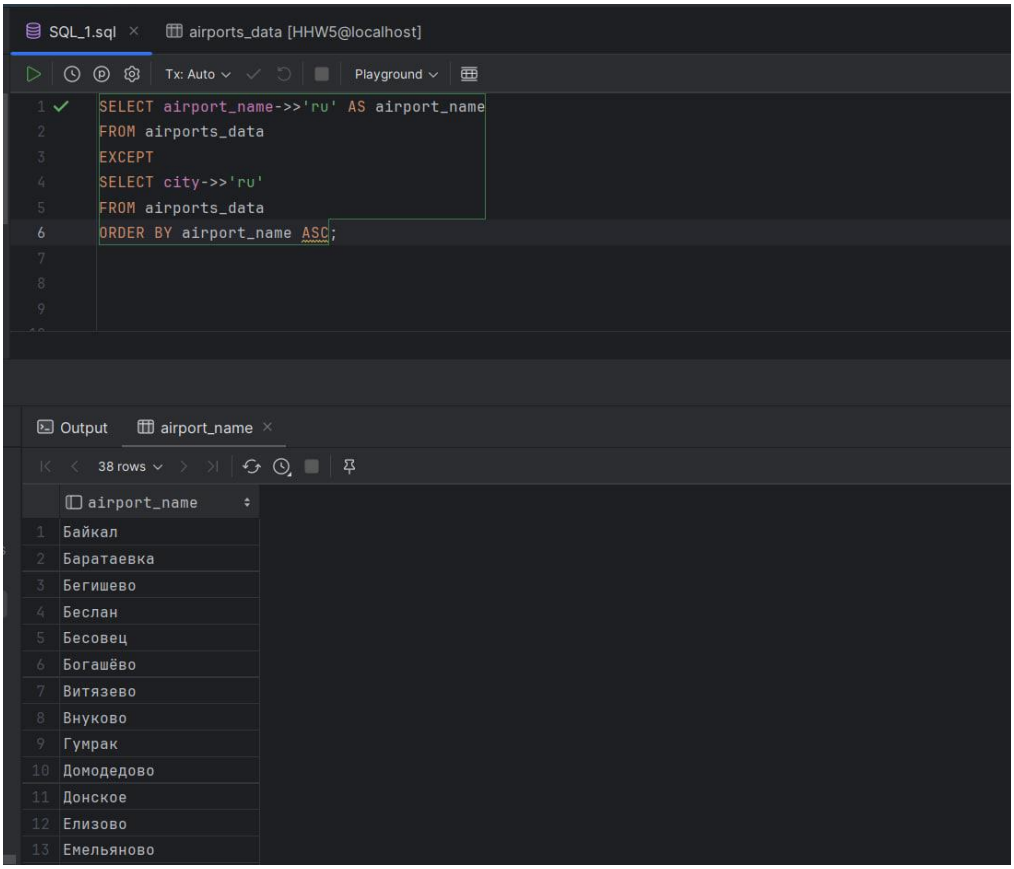
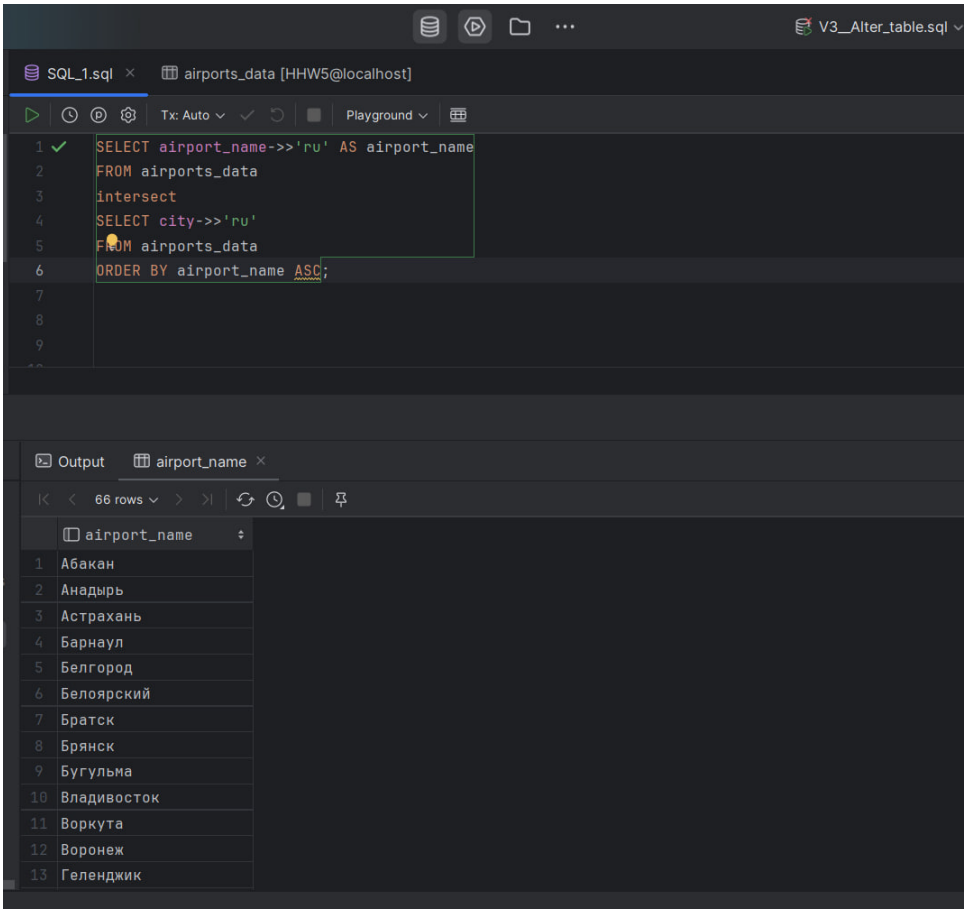
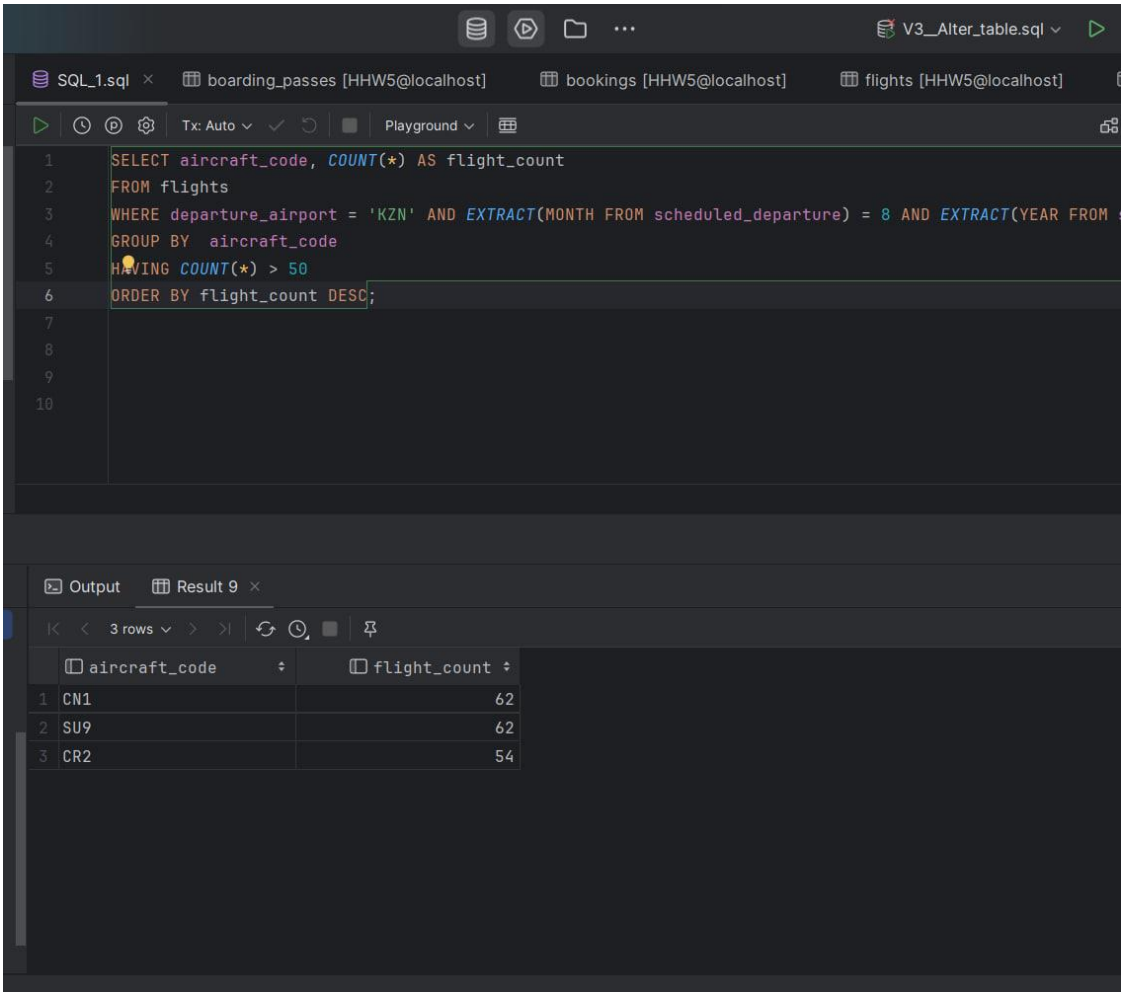
1


SQL_1.sql
airports_data [HHW5@localhost]
Tx: Auto
Playground
SELECT airport_name->>'ru' AS airport_name
FROM airports_data
EXCEPT
SELECT city->>'ru'
FROM airports_data
ORDER BY airport_name ASC;
Output
airport_name
38 rows
airport_name
Байкал
Баратаевка
Бегишево
Беслан
Бесовец
Богашёво
Витязево
Внуково
Гумрак
Домодедово
Донское
Елизово
Емельяново

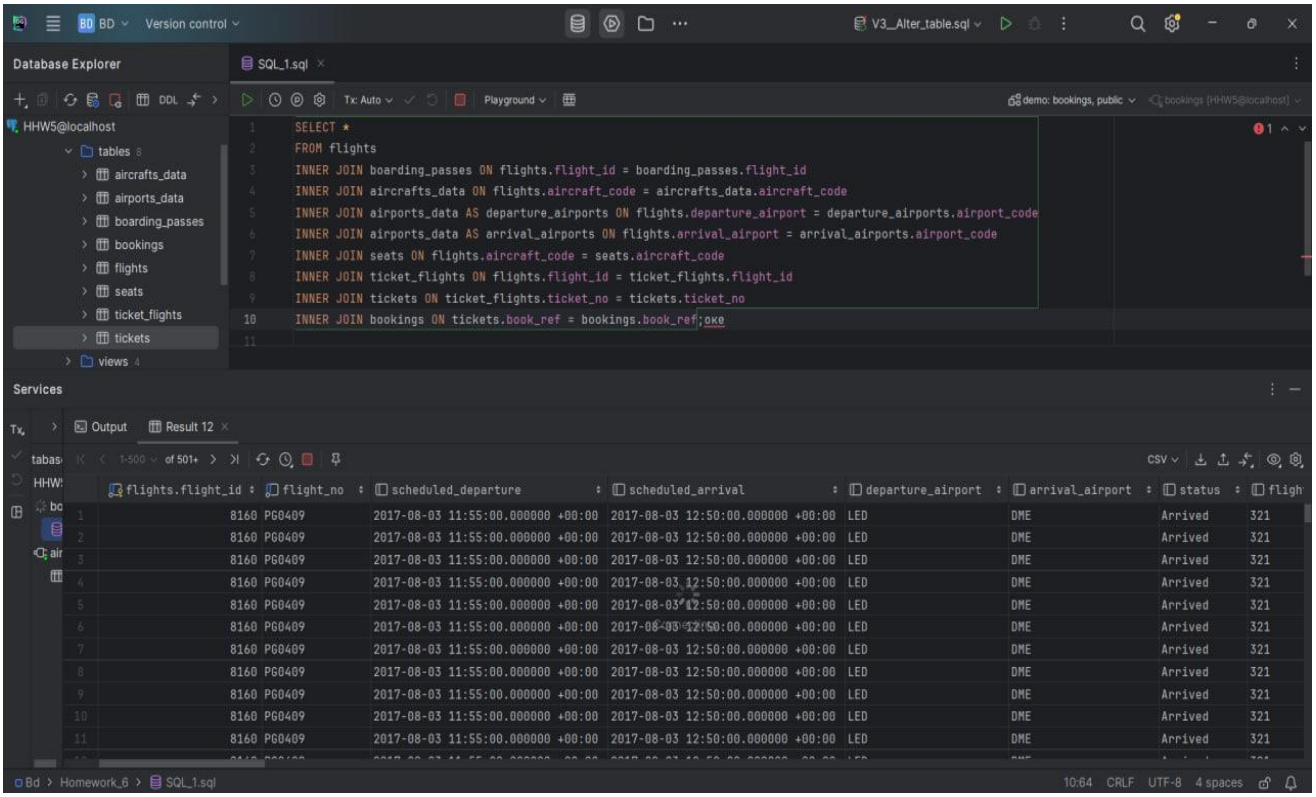
2


V3__Alter_table.sql
SQL_1.sql
airports_data [HHW5@localhost]
Tx: Auto
Playground
SELECT airport_name->>'ru' AS airport_name
FROM airports_data
intersect
SELECT city->>'ru'
FROM airports_data
ORDER BY airport_name ASC;
Output
airport_name
66 rows
airport_name
Абакан
Анадырь
Астрахань
Барнаул
Белгород
Белоярский
Братск
Брянск
Бугульма
Владивосток
Воркута
Воронеж
Геленджик

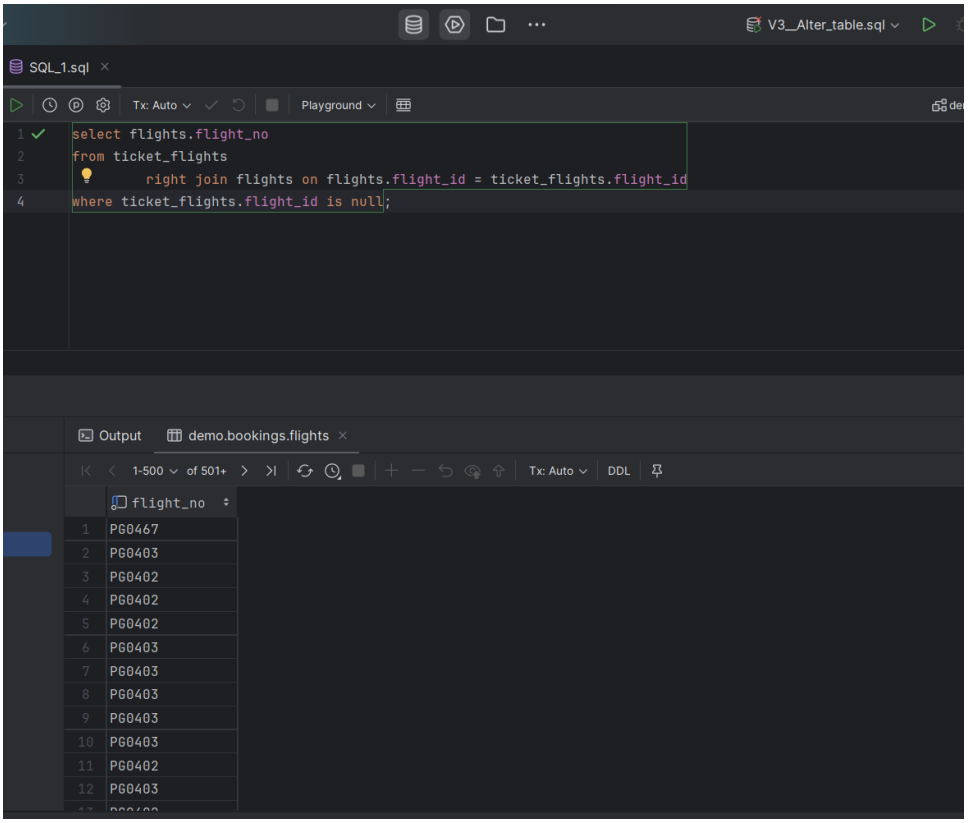
3


V3_Alter_table.sql
SQL_1.sql
boarding_passes [HHW5@localhost]
bookings [HHW5@localhost]
flights [HHW5@localhost]
Tx: Auto
Playground
SELECT aircraft_code, COUNT(*) AS flight_count
FROM flights
WHERE departure_airport = 'KZN' AND EXTRACT(MONTH FROM scheduled_departure) = 8 AND EXTRACT(YEAR FROM
GROUP BY aircraft_code
HAVING COUNT(*) > 50
ORDER BY flight_count DESC;
Output
Result 9
3 rows
aircraft_code
flight_count
1 CN1 62
2 SU9 62
3 CR2 54

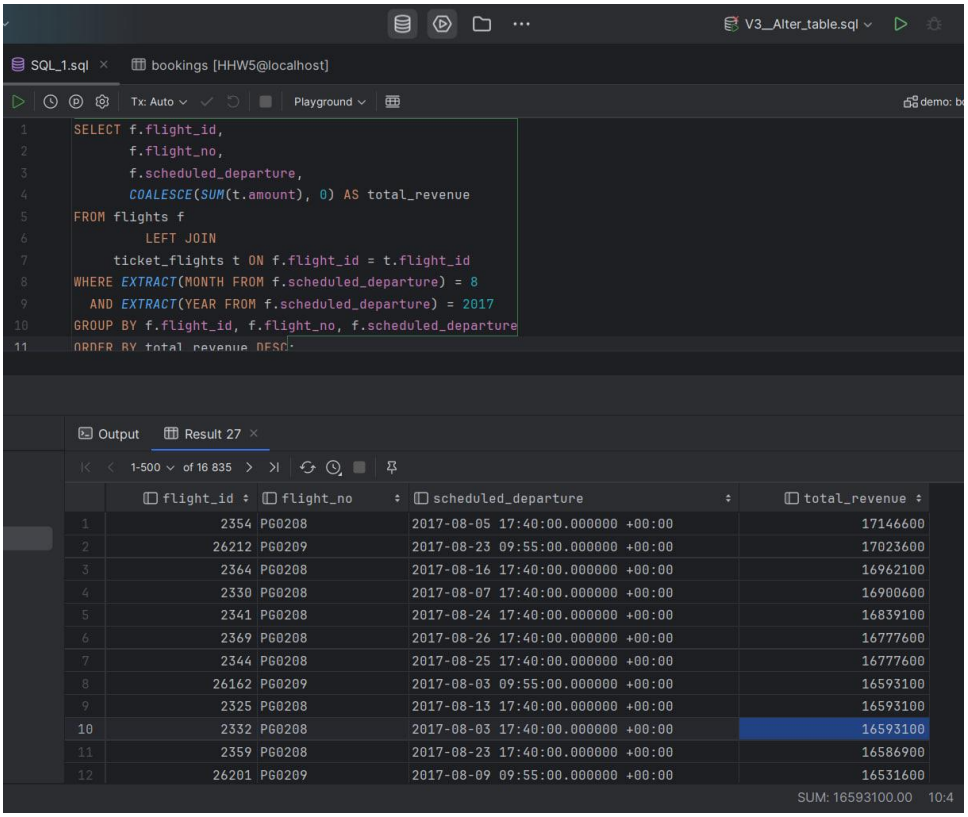
4


BD
Version control
V3_Alter_table.sql
Database Explorer
SQL_1.sql
HHW5@localhost
tables 8
aircrafts_data
airports_data
boarding_passes
bookings
flights
seats
ticket_flights
tickets
views 4
SELECT *
FROM flights
INNER JOIN boarding_passes ON flights.flight_id = boarding_passes.flight_id
INNER JOIN aircrafts_data ON flights.aircraft_code = aircrafts_data.aircraft_code
INNER JOIN airports_data AS departure_airports ON flights.departure_airport = departure_airports.airport_code
INNER JOIN airports_data AS arrival_airports ON flights.arrival_airport = arrival_airports.airport_code
INNER JOIN seats ON flights.aircraft_code = seats.aircraft_code
INNER JOIN ticket_flights ON flights.flight_id = ticket_flights.flight_id
INNER JOIN tickets ON ticket_flights.ticket_no = tickets.ticket_no
INNER JOIN bookings ON tickets.book_ref = bookings.book_ref;oke
Services
Output
Result 12
flights.flight_id
flight_no
scheduled_departure
scheduled_arrival
departure_airport
arrival_airport
status
8160 PG0409 2017-08-03 11:55:00.000000 +00:00 2017-08-03 12:50:00.000000 +00:00 LED DME Arrived 321
Bd
Homework_6
SQL_1.sql
10:64
CRLF
UTF-8
4 spaces

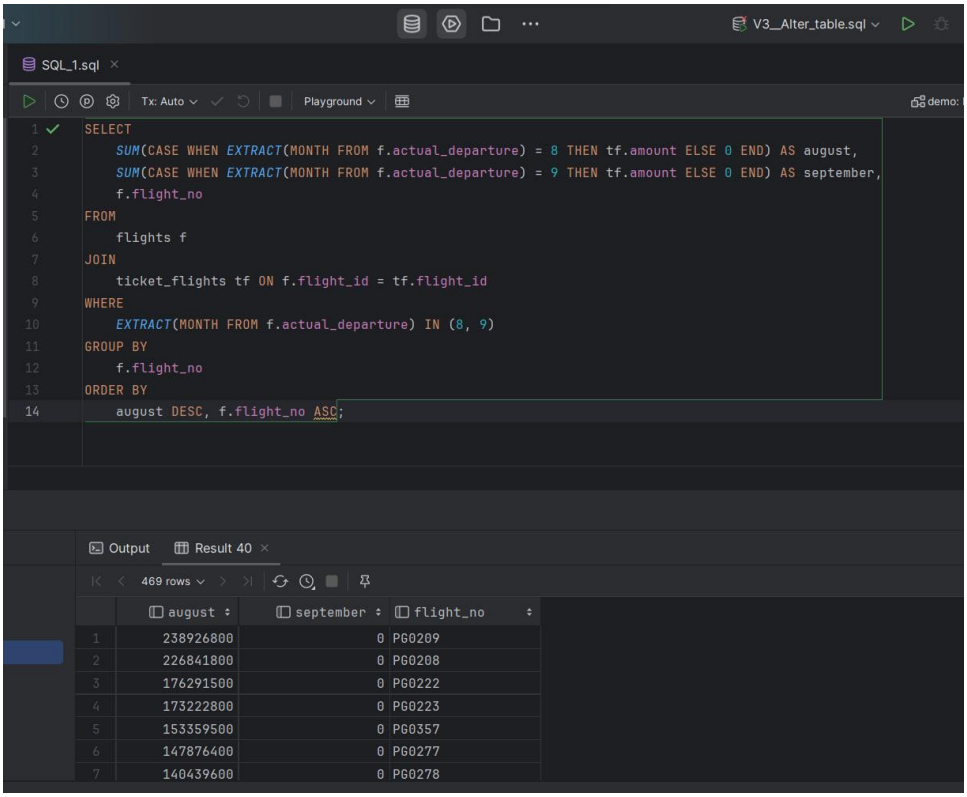
5


V3__Alter_table.sql
SQL_1.sql
Tx: Auto
Playground
select flights.flight_no
from ticket_flights
right join flights on flights.flight_id = ticket_flights.flight_id
where ticket_flights.flight_id is null;
Output
demo.bookings.flights
1-500 of 501+
Tx: Auto
DDL
flight_no
PG0467
PG0403
PG0402
PG0402
PG0402
PG0403
PG0403
PG0403
PG0403
PG0403
PG0402
PG0403

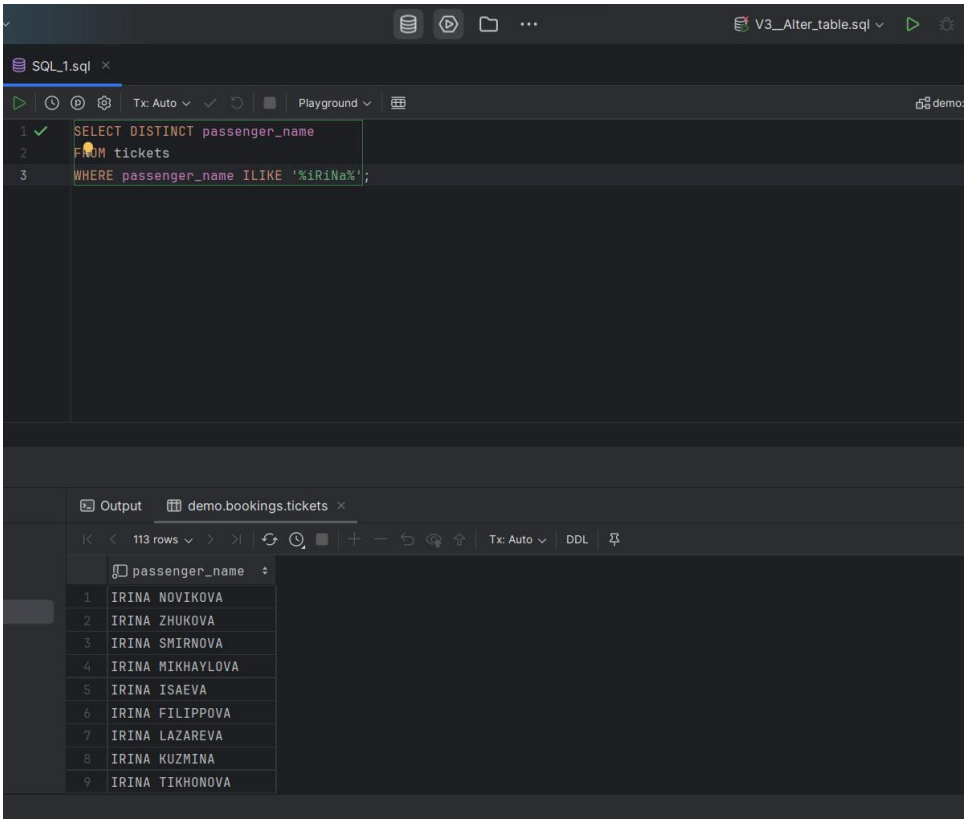
6


V3__Alter_table.sql
SQL_1.sql
bookings [HHW5@localhost]
Tx: Auto
Playground
SELECT f.flight_id,
f.flight_no,
f.scheduled_departure,
COALESCE(SUM(t.amount), 0) AS total_revenue
FROM flights f
LEFT JOIN
ticket_flights t ON f.flight_id = t.flight_id
WHERE EXTRACT(MONTH FROM f.scheduled_departure) = 8
AND EXTRACT(YEAR FROM f.scheduled_departure) = 2017
GROUP BY f.flight_id, f.flight_no, f.scheduled_departure
ORDER BY total_revenue DESC;
Output
Result 27
1-500 of 16 835
flight_id flight_no scheduled_departure total_revenue
2354 PG0208 2017-08-05 17:40:00.000000 +00:00 17146600
26212 PG0209 2017-08-23 09:55:00.000000 +00:00 17023600
2364 PG0208 2017-08-16 17:40:00.000000 +00:00 16962100
2330 PG0208 2017-08-07 17:40:00.000000 +00:00 16900600
2341 PG0208 2017-08-24 17:40:00.000000 +00:00 16839100
2369 PG0208 2017-08-26 17:40:00.000000 +00:00 16777600
2344 PG0208 2017-08-25 17:40:00.000000 +00:00 16777600
26162 PG0209 2017-08-03 09:55:00.000000 +00:00 16593100
2325 PG0208 2017-08-13 17:40:00.000000 +00:00 16593100
2332 PG0208 2017-08-03 17:40:00.000000 +00:00 16593100
2359 PG0208 2017-08-23 17:40:00.000000 +00:00 16586900
26201 PG0209 2017-08-09 09:55:00.000000 +00:00 16531600
SUM: 16593100.00
10:4

7


V3__Alter_table.sql
SQL_1.sql
Tx: Auto
Playground
demo:
SELECT
SUM(CASE WHEN EXTRACT(MONTH FROM f.actual_departure) = 8 THEN tf.amount ELSE 0 END) AS august,
SUM(CASE WHEN EXTRACT(MONTH FROM f.actual_departure) = 9 THEN tf.amount ELSE 0 END) AS september,
f.flight_no
FROM
flights f
JOIN
ticket_flights tf ON f.flight_id = tf.flight_id
WHERE
EXTRACT(MONTH FROM f.actual_departure) IN (8, 9)
GROUP BY
f.flight_no
ORDER BY
august DESC, f.flight_no ASC;
Output
Result 40
469 rows
august
september
flight_no
1 238926800 0 PG0209
2 226841800 0 PG0208
3 176291500 0 PG0222
4 173222800 0 PG0223
5 153359500 0 PG0357
6 147876400 0 PG0277
7 140439600 0 PG0278

8


V3__Alter_table.sql
SQL_1.sql
Tx: Auto
Playground
demo:
SELECT DISTINCT passenger_name
FROM tickets
WHERE passenger_name ILIKE '%iRiNa%';
Output
demo.bookings.tickets
113 rows
Tx: Auto
DDL
passenger_name
1 IRINA NOVIKOVA
2 IRINA ZHUKOVA
3 IRINA SMIRNOVA
4 IRINA MIKHAYLOVA
5 IRINA ISAEVA
6 IRINA FILIPPOVA
7 IRINA LAZAREVA
8 IRINA KUZMINA
9 IRINA TIKHONOVA