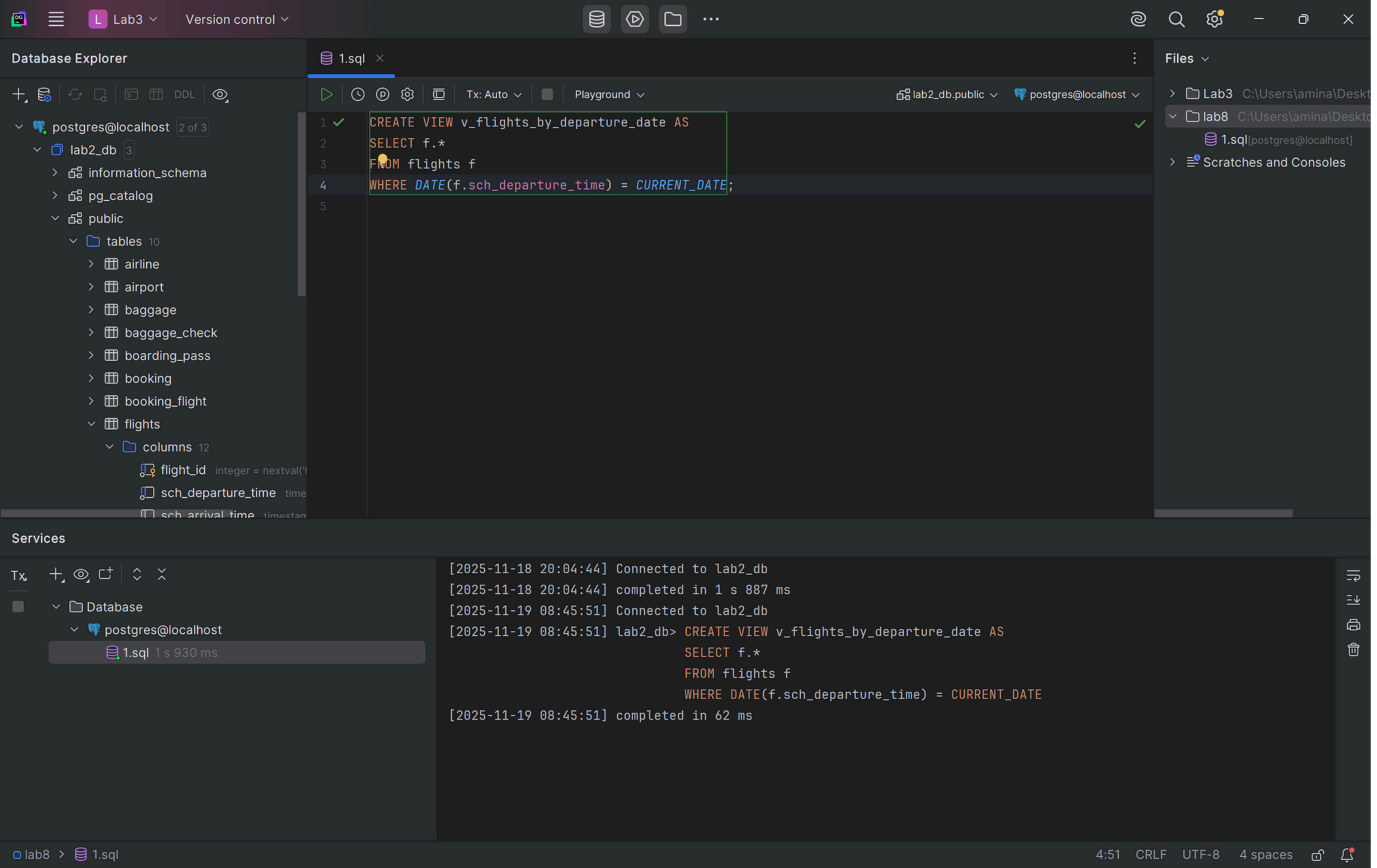
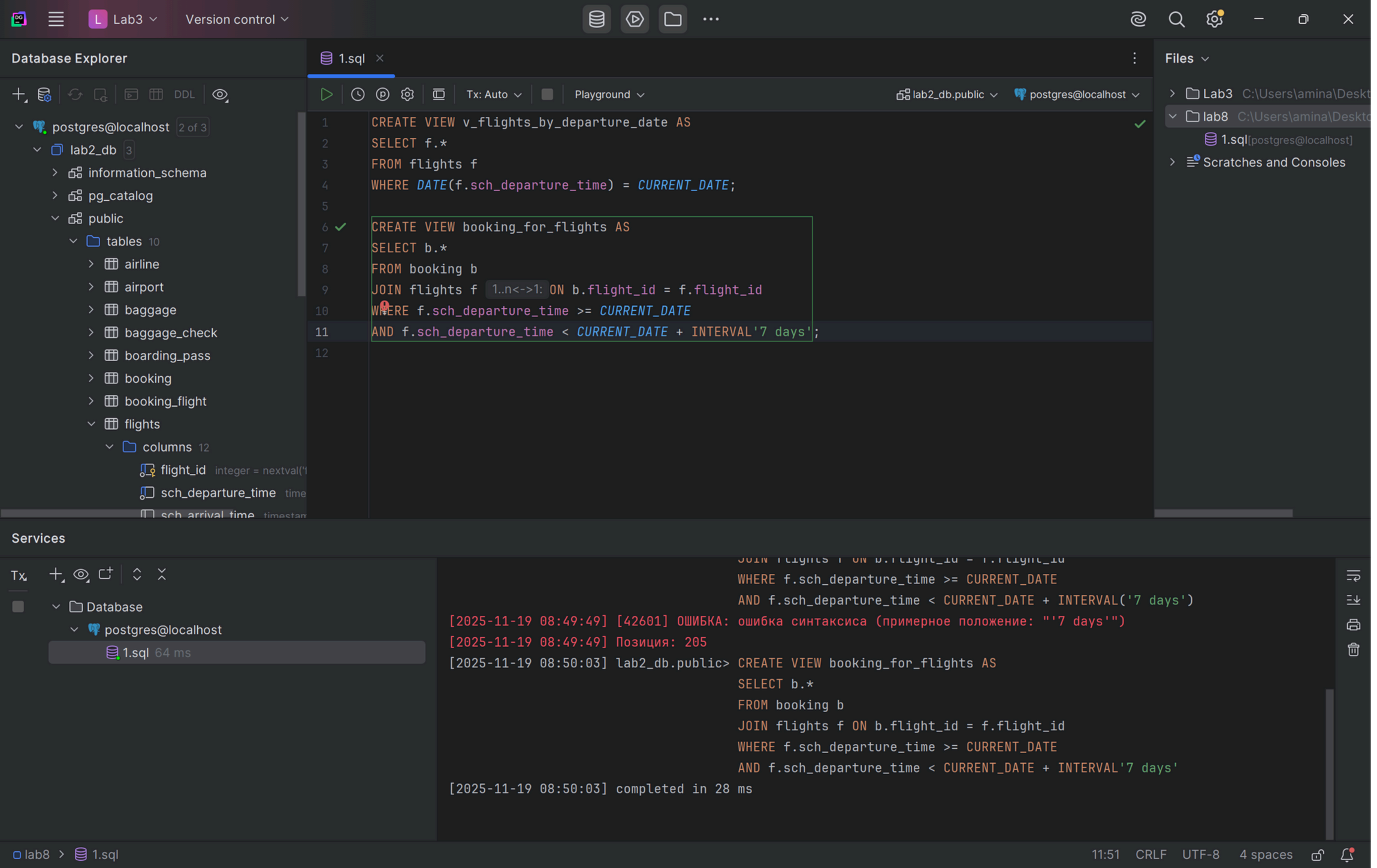
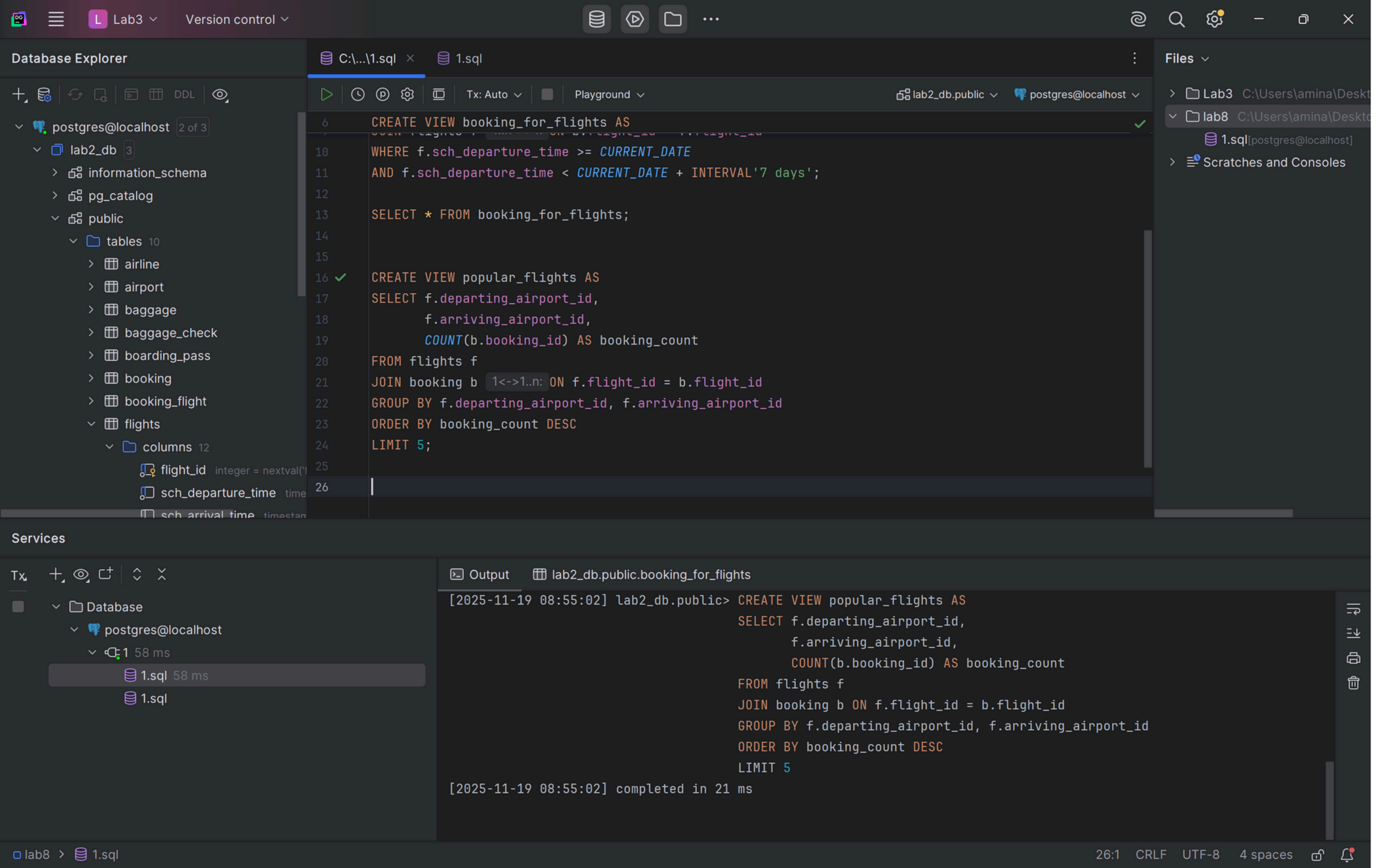
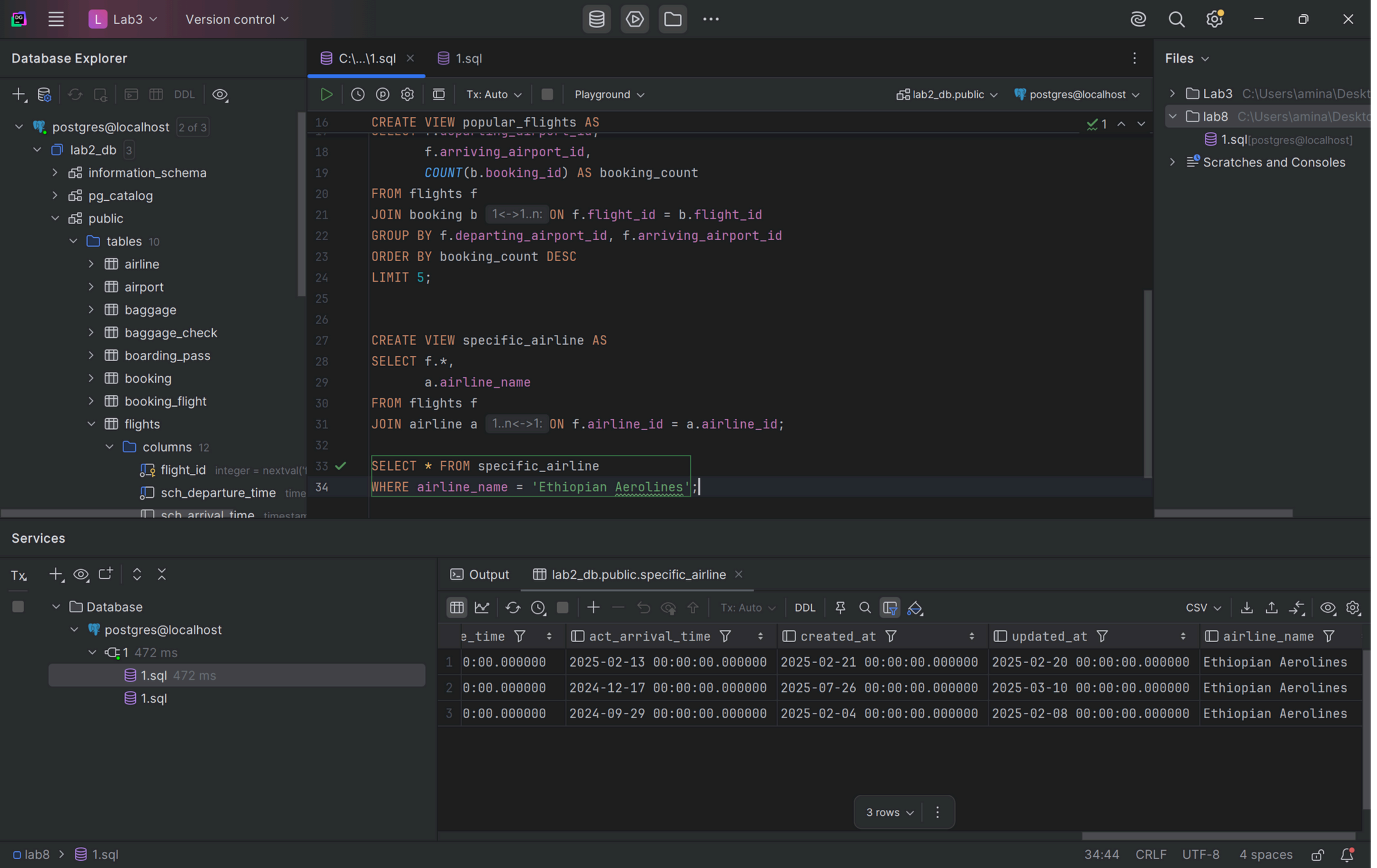
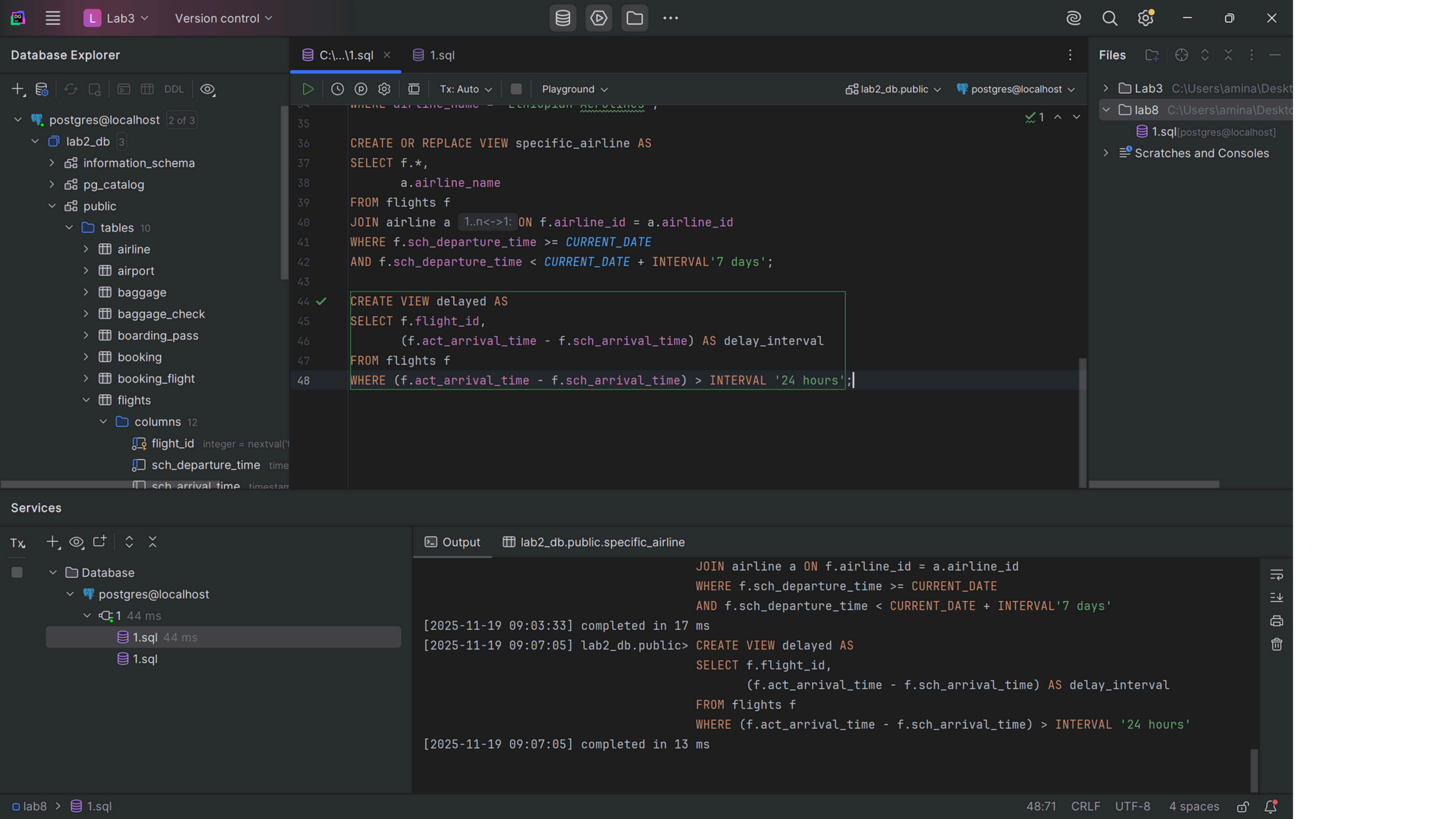
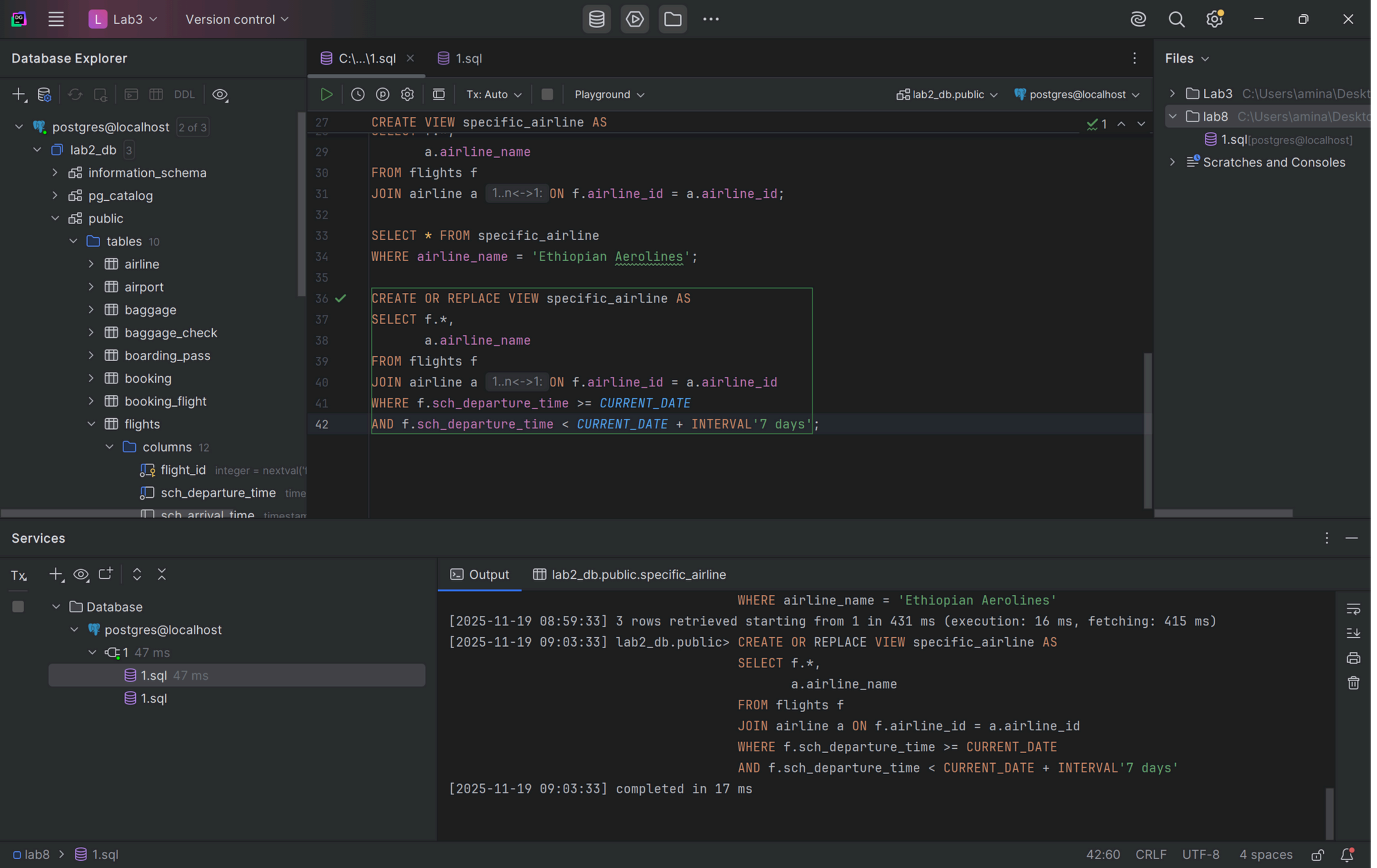

Lab3
Version control
Database Explorer
DDL
postgres@localhost 2 of 3
lab2_db 3
information_schema
pg_catalog
public
tables 10
airline
airport
baggage
baggage_check
boarding_pass
booking
booking_flight
flights
columns 12
flight_id integer = nextval('
sch_departure_time time
1.sql
Tx: Auto
Playground
lab2_db.public
postgres@localhost
1 CREATE VIEW v_flights_by_departure_date AS
2 SELECT f.*
3 FROM flights f
4 WHERE DATE(f.sch_departure_time) = CURRENT_DATE;
5
Files
Lab3 C:\Users\amina\Deskt
lab8 C:\Users\amina\Deskto
1.sql [postgres@localhost]
Scratches and Consoles
Services
Tx
Database
postgres@localhost
1.sql 1 s 930 ms
[2025-11-18 20:04:44] Connected to lab2_db
[2025-11-18 20:04:44] completed in 1 s 887 ms
[2025-11-19 08:45:51] Connected to lab2_db
[2025-11-19 08:45:51] lab2_db> CREATE VIEW v_flights_by_departure_date AS
SELECT f.*
FROM flights f
WHERE DATE(f.sch_departure_time) = CURRENT_DATE
[2025-11-19 08:45:51] completed in 62 ms
lab8 > 1.sql
4:51 CRLF UTF-8 4 spaces

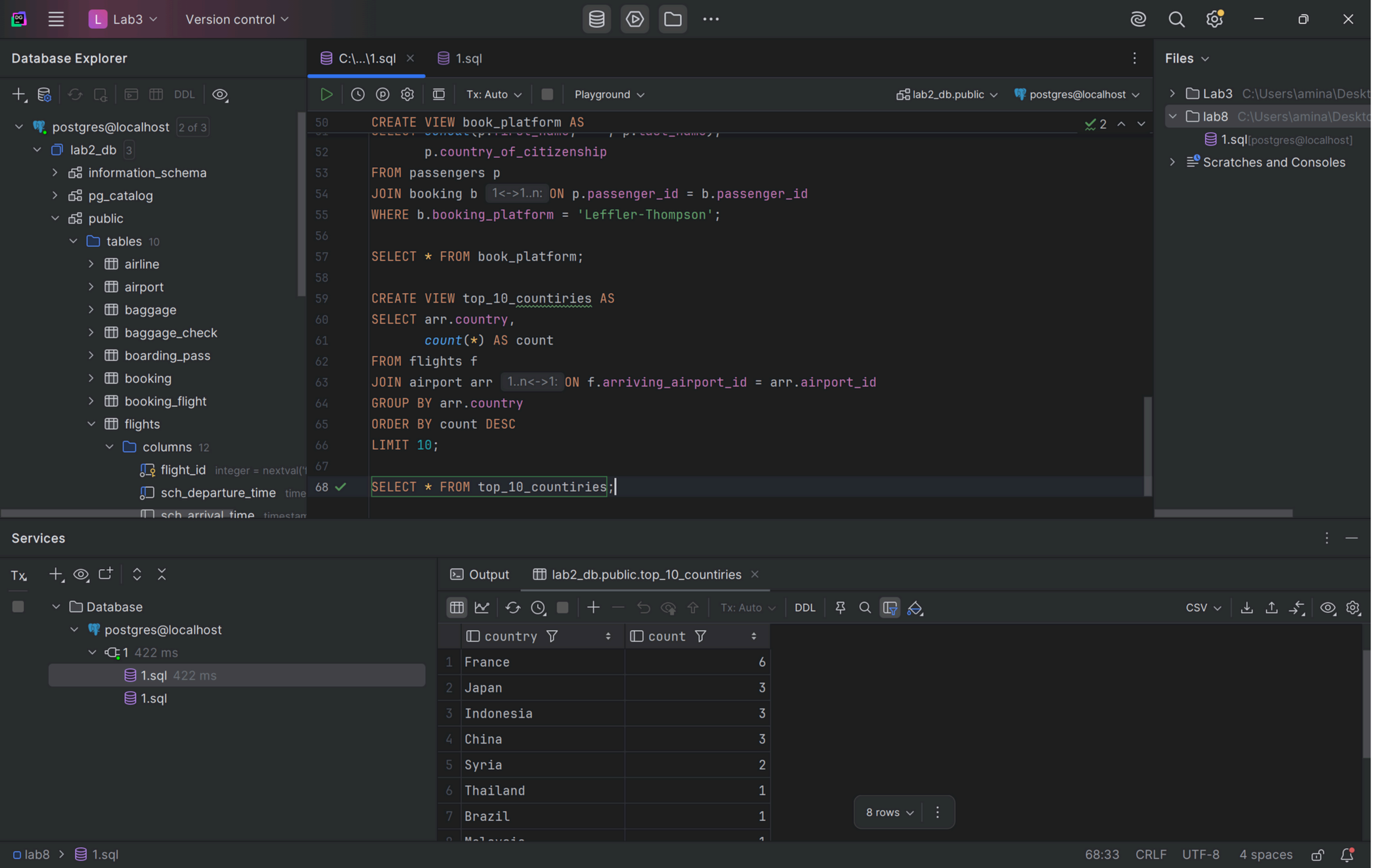

Lab3
Version control
Database Explorer
1.sql
Files
Tx: Auto
Playground
lab2_db.public
postgres@localhost
postgres@localhost 2 of 3
lab2_db 3
information_schema
pg_catalog
public
tables 10
airline
airport
baggage
baggage_check
boarding_pass
booking
booking_flight
flights
columns 12
flight_id integer = nextval('
sch_departure_time time
sch_arrival_time timestam
Lab3 C:\Users\amina\Deskt
lab8 C:\Users\amina\Deskto
1.sql [postgres@localhost]
Scratches and Consoles
CREATE VIEW v_flights_by_departure_date AS
SELECT f.*
FROM flights f
WHERE DATE(f.sch_departure_time) = CURRENT_DATE;
CREATE VIEW booking_for_flights AS
SELECT b.*
FROM booking b
JOIN flights f 1..n<->1: ON b.flight_id = f.flight_id
WHERE f.sch_departure_time >= CURRENT_DATE
AND f.sch_departure_time < CURRENT_DATE + INTERVAL'7 days';
Services
Database
postgres@localhost
1.sql 64 ms
WHERE f.sch_departure_time >= CURRENT_DATE
AND f.sch_departure_time < CURRENT_DATE + INTERVAL('7 days')
[2025-11-19 08:49:49] [42601] ОШИБКА: ошибка синтаксиса (примерное положение: "'7 days'")
[2025-11-19 08:49:49] Позиция: 205
[2025-11-19 08:50:03] lab2_db.public> CREATE VIEW booking_for_flights AS
SELECT b.*
FROM booking b
JOIN flights f ON b.flight_id = f.flight_id
WHERE f.sch_departure_time >= CURRENT_DATE
AND f.sch_departure_time < CURRENT_DATE + INTERVAL'7 days'
[2025-11-19 08:50:03] completed in 28 ms
lab8 > 1.sql
11:51 CRLF UTF-8 4 spaces


Lab3
Version control
Database Explorer
DDL
postgres@localhost 2 of 3
lab2_db 3
information_schema
pg_catalog
public
tables 10
airline
airport
baggage
baggage_check
boarding_pass
booking
booking_flight
flights
columns 12
flight_id integer = nextval('
sch_departure_time time
C:\...\1.sql
1.sql
Tx: Auto
Playground
lab2_db.public
postgres@localhost
CREATE VIEW booking_for_flights AS
WHERE f.sch_departure_time >= CURRENT_DATE
AND f.sch_departure_time < CURRENT_DATE + INTERVAL'7 days';
SELECT * FROM booking_for_flights;
CREATE VIEW popular_flights AS
SELECT f.departing_airport_id,
f.arriving_airport_id,
COUNT(b.booking_id) AS booking_count
FROM flights f
JOIN booking b 1<->1..n: ON f.flight_id = b.flight_id
GROUP BY f.departing_airport_id, f.arriving_airport_id
ORDER BY booking_count DESC
LIMIT 5;
Files
Lab3 C:\Users\amina\Deskt
lab8 C:\Users\amina\Deskto
1.sql[postgres@localhost]
Scratches and Consoles
Services
Database
postgres@localhost
1 58 ms
1.sql 58 ms
1.sql
Output
lab2_db.public.booking_for_flights
[2025-11-19 08:55:02] lab2_db.public> CREATE VIEW popular_flights AS
SELECT f.departing_airport_id,
f.arriving_airport_id,
COUNT(b.booking_id) AS booking_count
FROM flights f
JOIN booking b ON f.flight_id = b.flight_id
GROUP BY f.departing_airport_id, f.arriving_airport_id
ORDER BY booking_count DESC
LIMIT 5
[2025-11-19 08:55:02] completed in 21 ms
lab8 > 1.sql
26:1 CRLF UTF-8 4 spaces


Lab3
Version control
Database Explorer
C:\...\1.sql
1.sql
Files
Tx: Auto
Playground
lab2_db.public
postgres@localhost
postgres@localhost 2 of 3
lab2_db 3
information_schema
pg_catalog
public
tables 10
airline
airport
baggage
baggage_check
boarding_pass
booking
booking_flight
flights
columns 12
flight_id integer = nextval('
sch_departure_time time
sch_arrival_time timestam
Lab3 C:\Users\amina\Deskt
lab8 C:\Users\amina\Deskto
1.sql [postgres@localhost]
Scratches and Consoles
CREATE VIEW popular_flights AS
f.arriving_airport_id,
COUNT(b.booking_id) AS booking_count
FROM flights f
JOIN booking b 1<->1..n: ON f.flight_id = b.flight_id
GROUP BY f.departing_airport_id, f.arriving_airport_id
ORDER BY booking_count DESC
LIMIT 5;
CREATE VIEW specific_airline AS
SELECT f.*,
a.airline_name
FROM flights f
JOIN airline a 1..n<->1: ON f.airline_id = a.airline_id;
SELECT * FROM specific_airline
WHERE airline_name = 'Ethiopian Aerolines';
Services
Database
postgres@localhost
1 472 ms
1.sql 472 ms
1.sql
Output
lab2_db.public.specific_airline
Tx: Auto
DDL
CSV
e_time
act_arrival_time
created_at
updated_at
airline_name
1 0:00.000000 2025-02-13 00:00:00.000000 2025-02-21 00:00:00.000000 2025-02-20 00:00:00.000000 Ethiopian Aerolines
2 0:00.000000 2024-12-17 00:00:00.000000 2025-07-26 00:00:00.000000 2025-03-10 00:00:00.000000 Ethiopian Aerolines
3 0:00.000000 2024-09-29 00:00:00.000000 2025-02-04 00:00:00.000000 2025-02-08 00:00:00.000000 Ethiopian Aerolines
3 rows
lab8 > 1.sql
34:44 CRLF UTF-8 4 spaces


Lab3
Version control
Database Explorer
C:\...\1.sql
1.sql
Files
DDL
Tx: Auto
Playground
lab2_db.public
postgres@localhost
postgres@localhost 2 of 3
lab2_db 3
information_schema
pg_catalog
public
tables 10
airline
airport
baggage
baggage_check
boarding_pass
booking
booking_flight
flights
columns 12
flight_id integer = nextval('
sch_departure_time time
sch_arrival_time timestam
Lab3 C:\Users\amina\Deskt
lab8 C:\Users\amina\Deskto
1.sql [postgres@localhost]
Scratches and Consoles
35
36 CREATE OR REPLACE VIEW specific_airline AS
37 SELECT f.*,
38 a.airline_name
39 FROM flights f
40 JOIN airline a 1..n<->1: ON f.airline_id = a.airline_id
41 WHERE f.sch_departure_time >= CURRENT_DATE
42 AND f.sch_departure_time < CURRENT_DATE + INTERVAL'7 days';
43
44 CREATE VIEW delayed AS
45 SELECT f.flight_id,
46 (f.act_arrival_time - f.sch_arrival_time) AS delay_interval
47 FROM flights f
48 WHERE (f.act_arrival_time - f.sch_arrival_time) > INTERVAL '24 hours';
Services
Tx
Database
postgres@localhost
1 44 ms
1.sql 44 ms
1.sql
Output
lab2_db.public.specific_airline
JOIN airline a ON f.airline_id = a.airline_id
WHERE f.sch_departure_time >= CURRENT_DATE
AND f.sch_departure_time < CURRENT_DATE + INTERVAL'7 days'
[2025-11-19 09:03:33] completed in 17 ms
[2025-11-19 09:07:05] lab2_db.public> CREATE VIEW delayed AS
SELECT f.flight_id,
(f.act_arrival_time - f.sch_arrival_time) AS delay_interval
FROM flights f
WHERE (f.act_arrival_time - f.sch_arrival_time) > INTERVAL '24 hours'
[2025-11-19 09:07:05] completed in 13 ms
lab8 > 1.sql
48:71 CRLF UTF-8 4 spaces


Lab3
Version control
Database Explorer
C:\...\1.sql
1.sql
Files
Tx: Auto
Playground
lab2_db.public
postgres@localhost
postgres@localhost 2 of 3
lab2_db 3
information_schema
pg_catalog
public
tables 10
airline
airport
baggage
baggage_check
boarding_pass
booking
booking_flight
flights
columns 12
flight_id integer = nextval('
sch_departure_time time
Lab3 C:\Users\amina\Deskt
lab8 C:\Users\amina\Deskto
1.sql[postgres@localhost]
Scratches and Consoles
CREATE VIEW specific_airline AS
a.airline_name
FROM flights f
JOIN airline a 1..n<->1: ON f.airline_id = a.airline_id;
SELECT * FROM specific_airline
WHERE airline_name = 'Ethiopian Aerolines';
CREATE OR REPLACE VIEW specific_airline AS
SELECT f.*,
a.airline_name
FROM flights f
JOIN airline a 1..n<->1: ON f.airline_id = a.airline_id
WHERE f.sch_departure_time >= CURRENT_DATE
AND f.sch_departure_time < CURRENT_DATE + INTERVAL'7 days';
Services
Database
postgres@localhost
1 47 ms
1.sql 47 ms
1.sql
Output
lab2_db.public.specific_airline
WHERE airline_name = 'Ethiopian Aerolines'
[2025-11-19 08:59:33] 3 rows retrieved starting from 1 in 431 ms (execution: 16 ms, fetching: 415 ms)
[2025-11-19 09:03:33] lab2_db.public> CREATE OR REPLACE VIEW specific_airline AS
SELECT f.*,
a.airline_name
FROM flights f
JOIN airline a ON f.airline_id = a.airline_id
WHERE f.sch_departure_time >= CURRENT_DATE
AND f.sch_departure_time < CURRENT_DATE + INTERVAL'7 days'
[2025-11-19 09:03:33] completed in 17 ms
lab8 > 1.sql
42:60 CRLF UTF-8 4 spaces


Lab3
Version control
Database Explorer
C:\...\1.sql
1.sql
Tx: Auto
Playground
lab2_db.public
postgres@localhost
Files
Lab3 C:\Users\amina\Deskt
lab8 C:\Users\amina\Deskto
1.sql[postgres@localhost]
Scratches and Consoles
postgres@localhost 2 of 3
lab2_db 3
information_schema
pg_catalog
public
tables 10
airline
airport
baggage
baggage_check
boarding_pass
booking
booking_flight
flights
columns 12
flight_id integer = nextval('
sch_departure_time time
sch_arrival_time timestam
50 CREATE VIEW book_platform AS
52 p.country_of_citizenship
53 FROM passengers p
54 JOIN booking b 1<->1..n: ON p.passenger_id = b.passenger_id
55 WHERE b.booking_platform = 'Leffler-Thompson';
57 SELECT * FROM book_platform;
59 CREATE VIEW top_10_countiries AS
60 SELECT arr.country,
61 count(*) AS count
62 FROM flights f
63 JOIN airport arr 1..n<->1: ON f.arriving_airport_id = arr.airport_id
64 GROUP BY arr.country
65 ORDER BY count DESC
66 LIMIT 10;
68 SELECT * FROM top_10_countiries;
Services
Database
postgres@localhost
1 422 ms
1.sql 422 ms
1.sql
Output
lab2_db.public.top_10_countiries
Tx: Auto
DDL
CSV
country
count
1 France 6
2 Japan 3
3 Indonesia 3
4 China 3
5 Syria 2
6 Thailand 1
7 Brazil 1
8 rows
lab8 > 1.sql
68:33 CRLF UTF-8 4 spaces