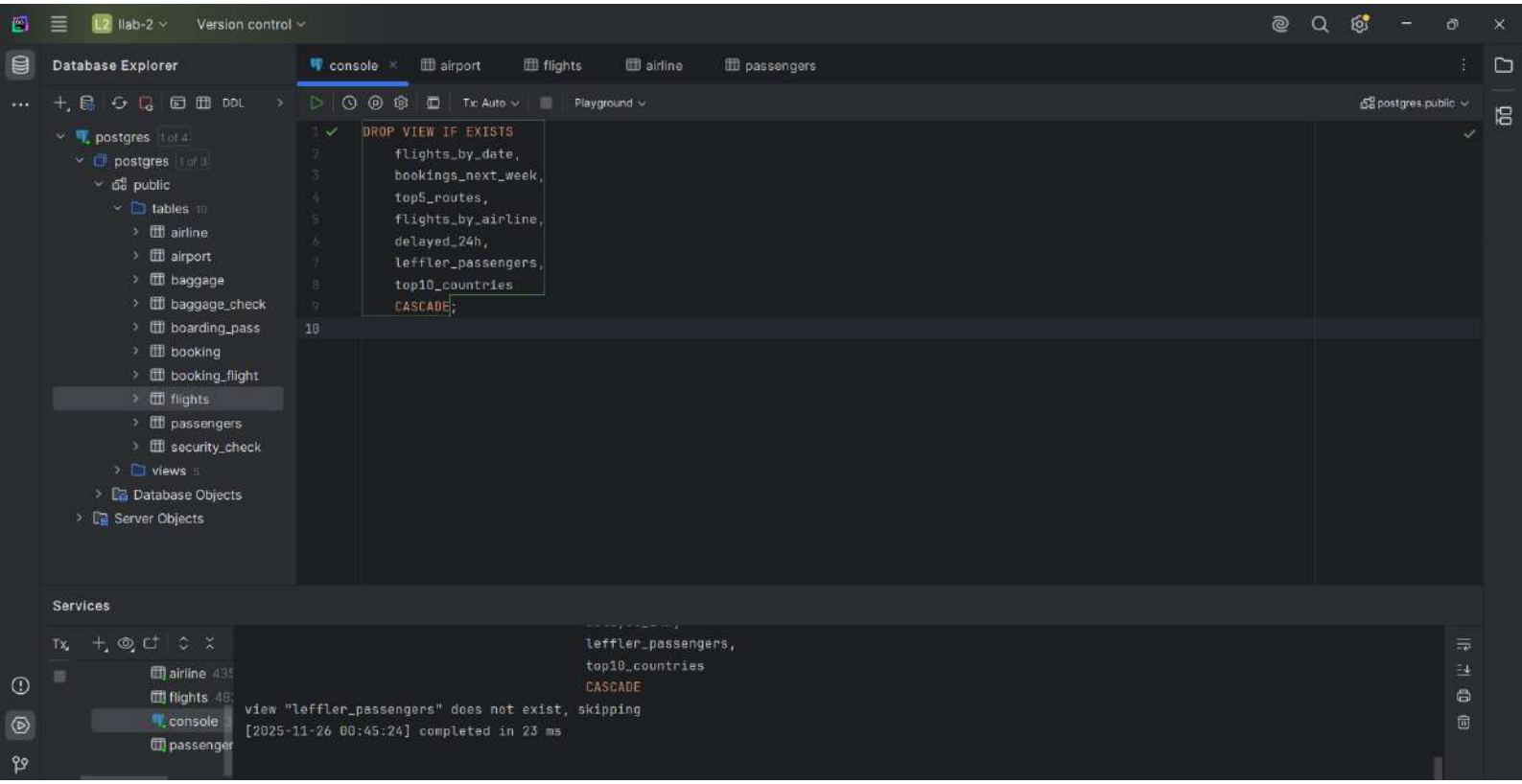
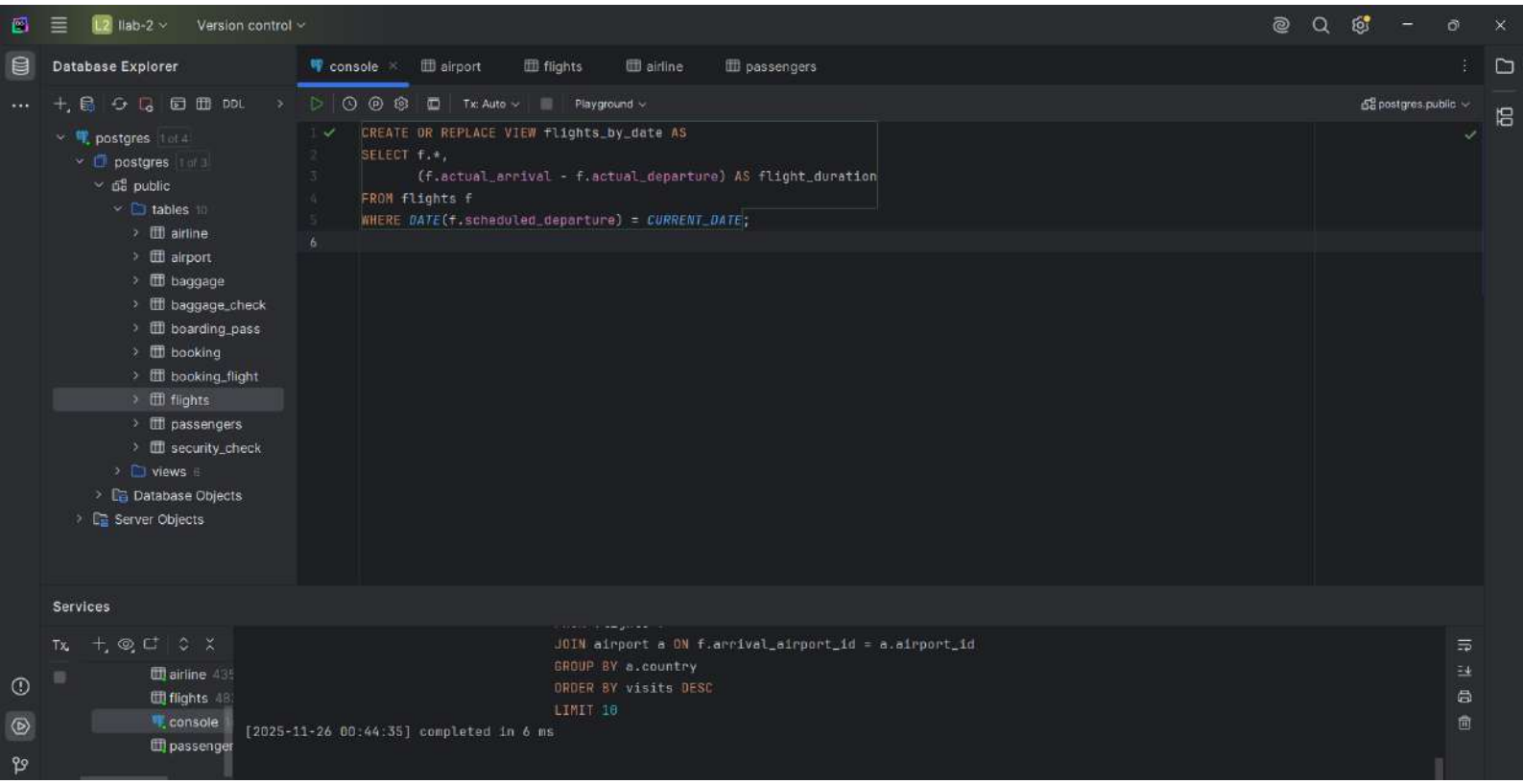
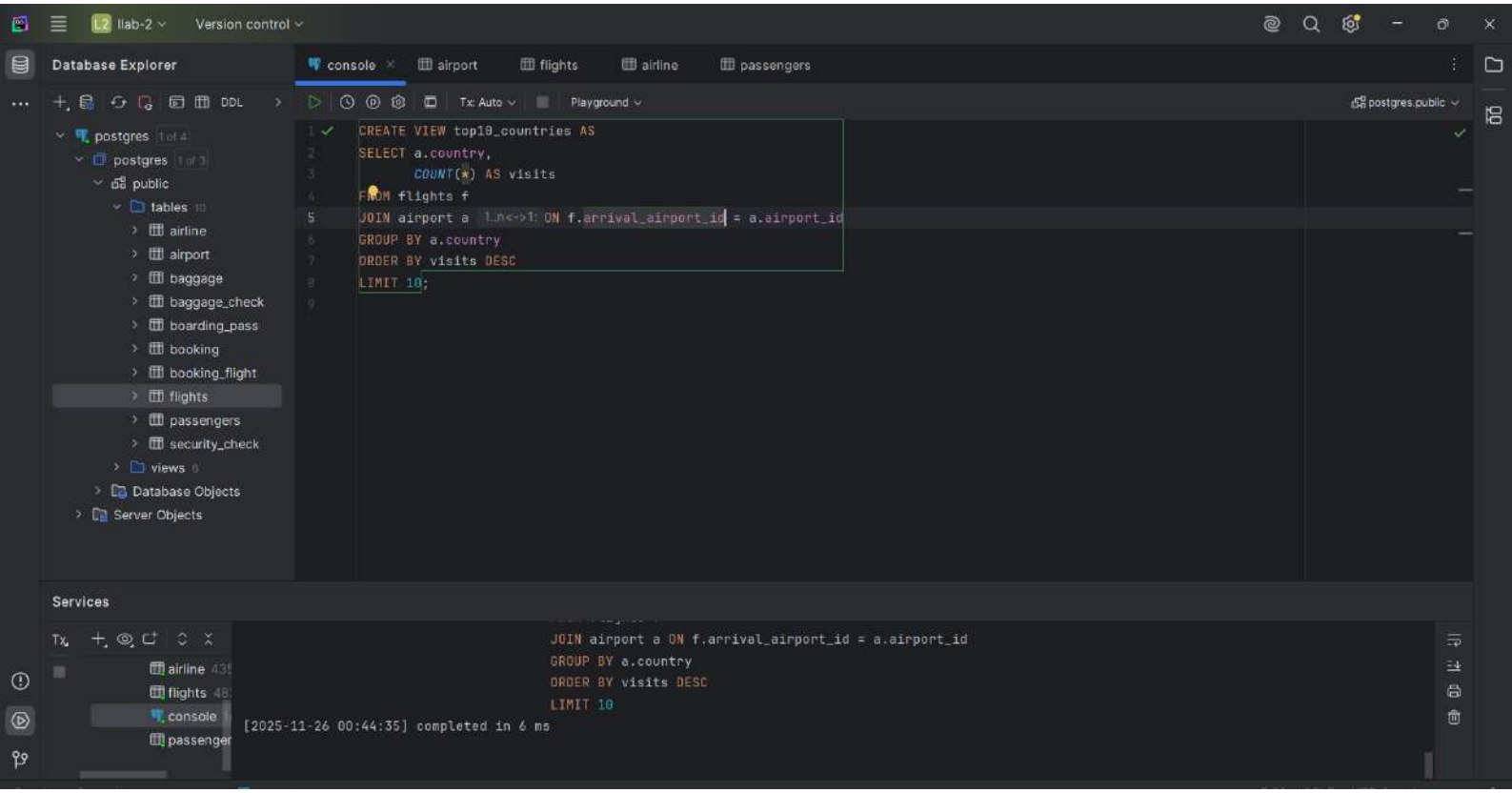
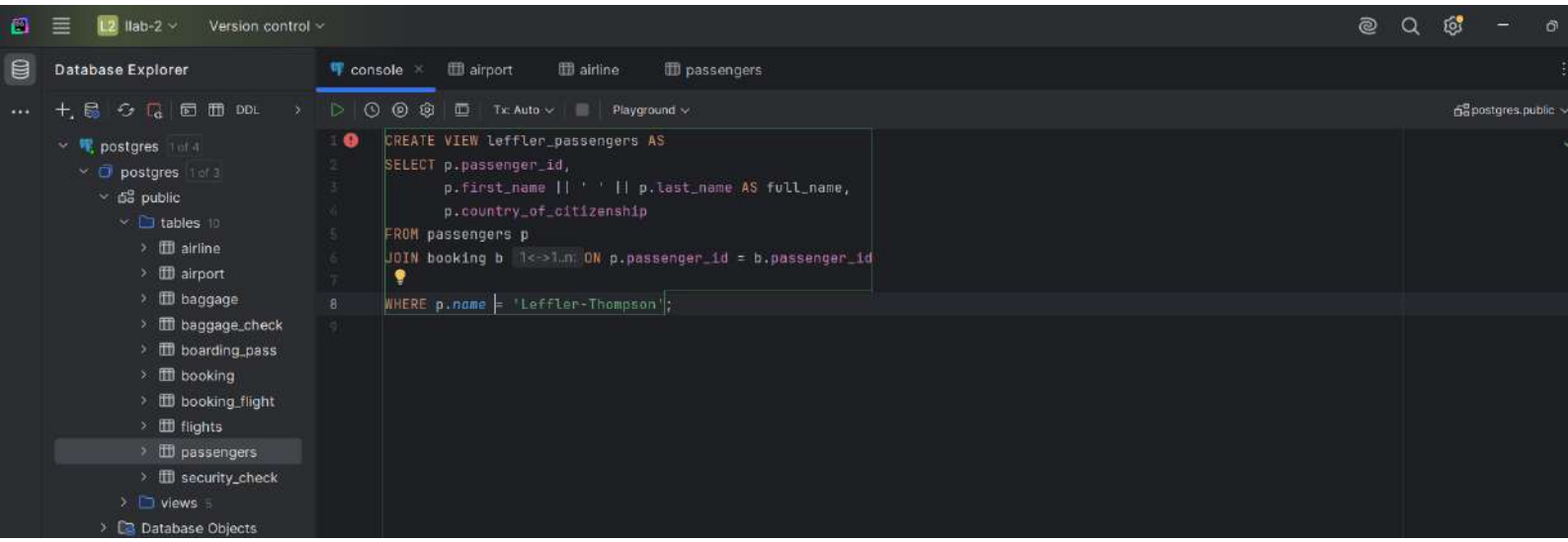
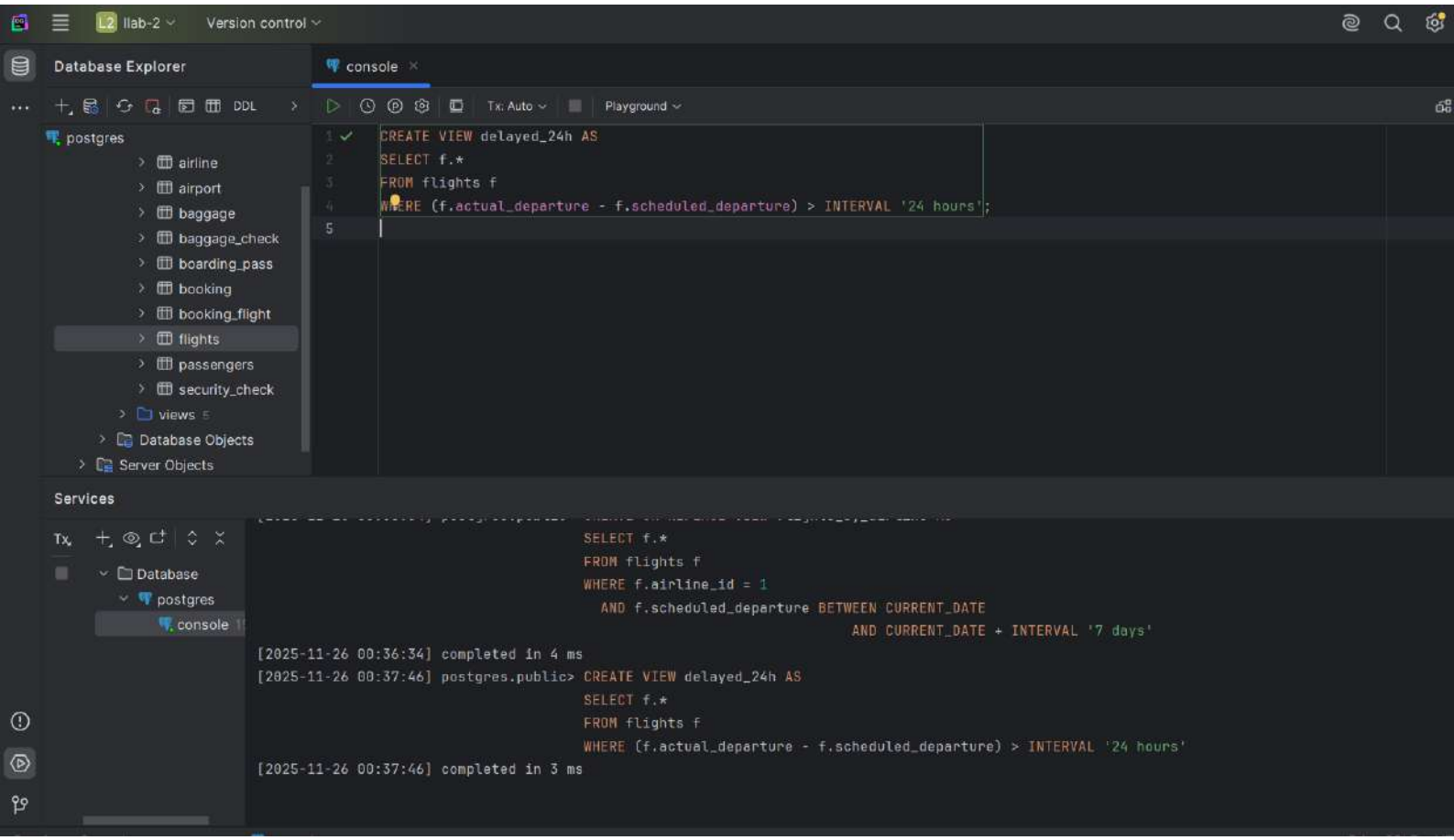
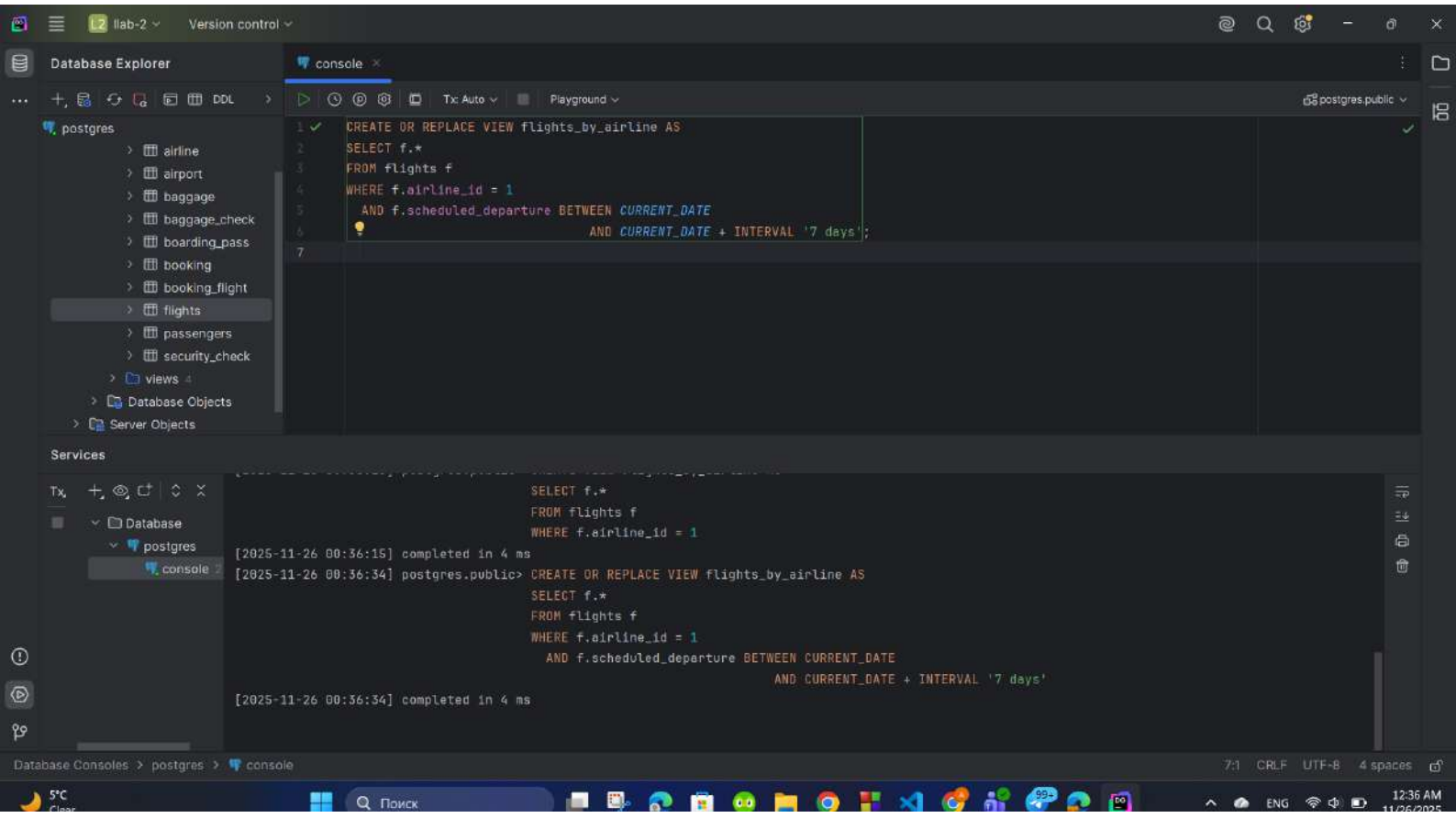

lab-2
Version control
Database Explorer
console
airport
flights
airline
passengers
DDL
Tx: Auto
Playground
postgres public
postgres
public
tables
airline
airport
baggage
baggage_check
boarding_pass
booking
booking_flight
flights
passengers
security_check
views
Database Objects
Server Objects
DROP VIEW IF EXISTS
flights_by_date,
bookings_next_week,
top5_routes,
flights_by_airline,
delayed_24h,
leffler_passengers,
top10_countries
CASCADE;
Services
leffler_passengers,
top10_countries
CASCADE
view "leffler_passengers" does not exist, skipping
[2025-11-26 00:45:24] completed in 23 ms

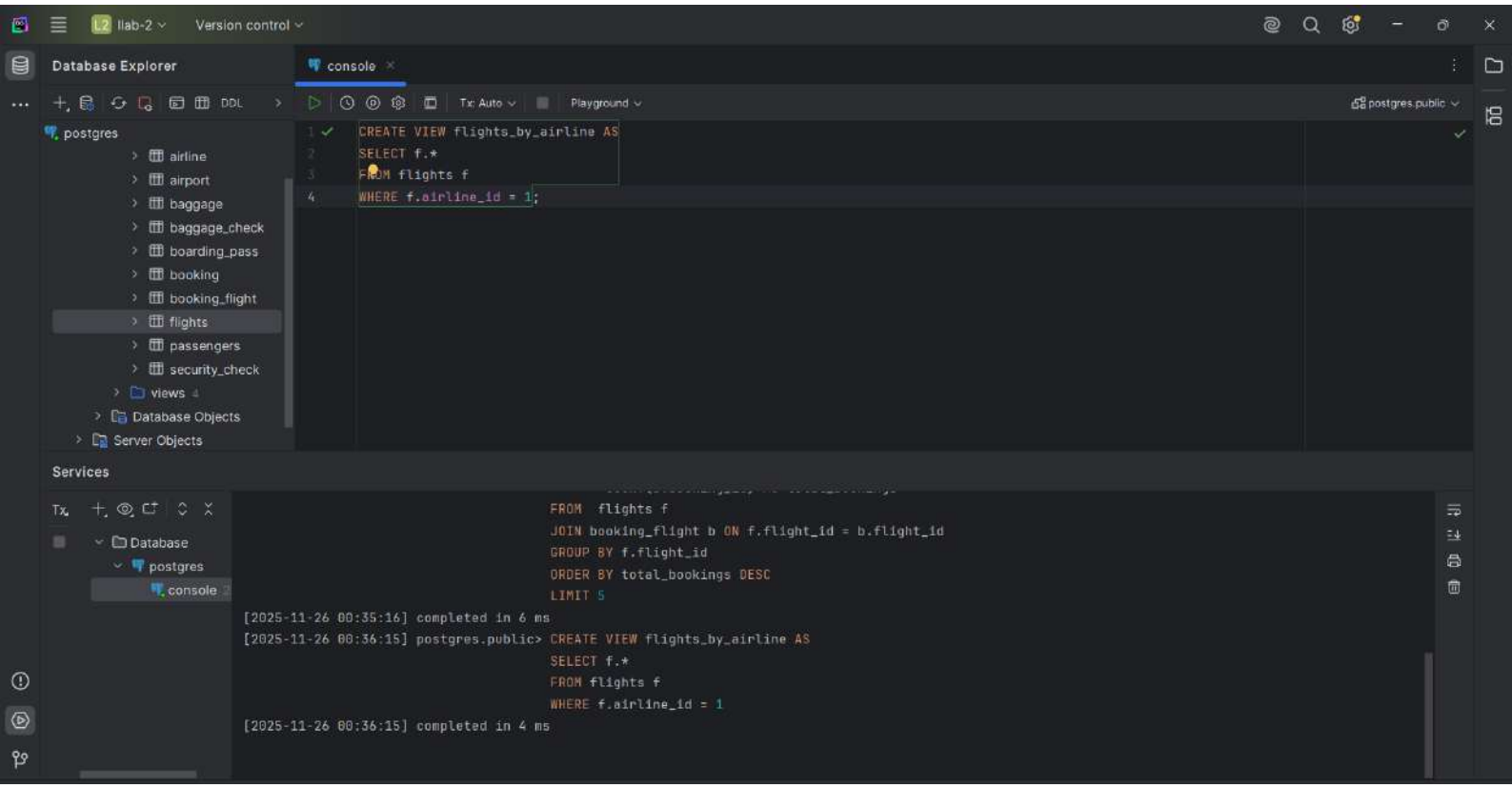

lab-2
Version control
Database Explorer
console
airport
flights
airline
passengers
DDL
Tx: Auto
Playground
postgres.public
postgres
public
tables
airline
airport
baggage
baggage_check
boarding_pass
booking
booking_flight
flights
passengers
security_check
views
Database Objects
Server Objects
CREATE OR REPLACE VIEW flights_by_date AS
SELECT f.*,
(f.actual_arrival - f.actual_departure) AS flight_duration
FROM flights f
WHERE DATE(f.scheduled_departure) = CURRENT_DATE;
Services
JOIN airport a ON f.arrival_airport_id = a.airport_id
GROUP BY a.country
ORDER BY visits DESC
LIMIT 10
[2025-11-26 00:44:35] completed in 6 ms

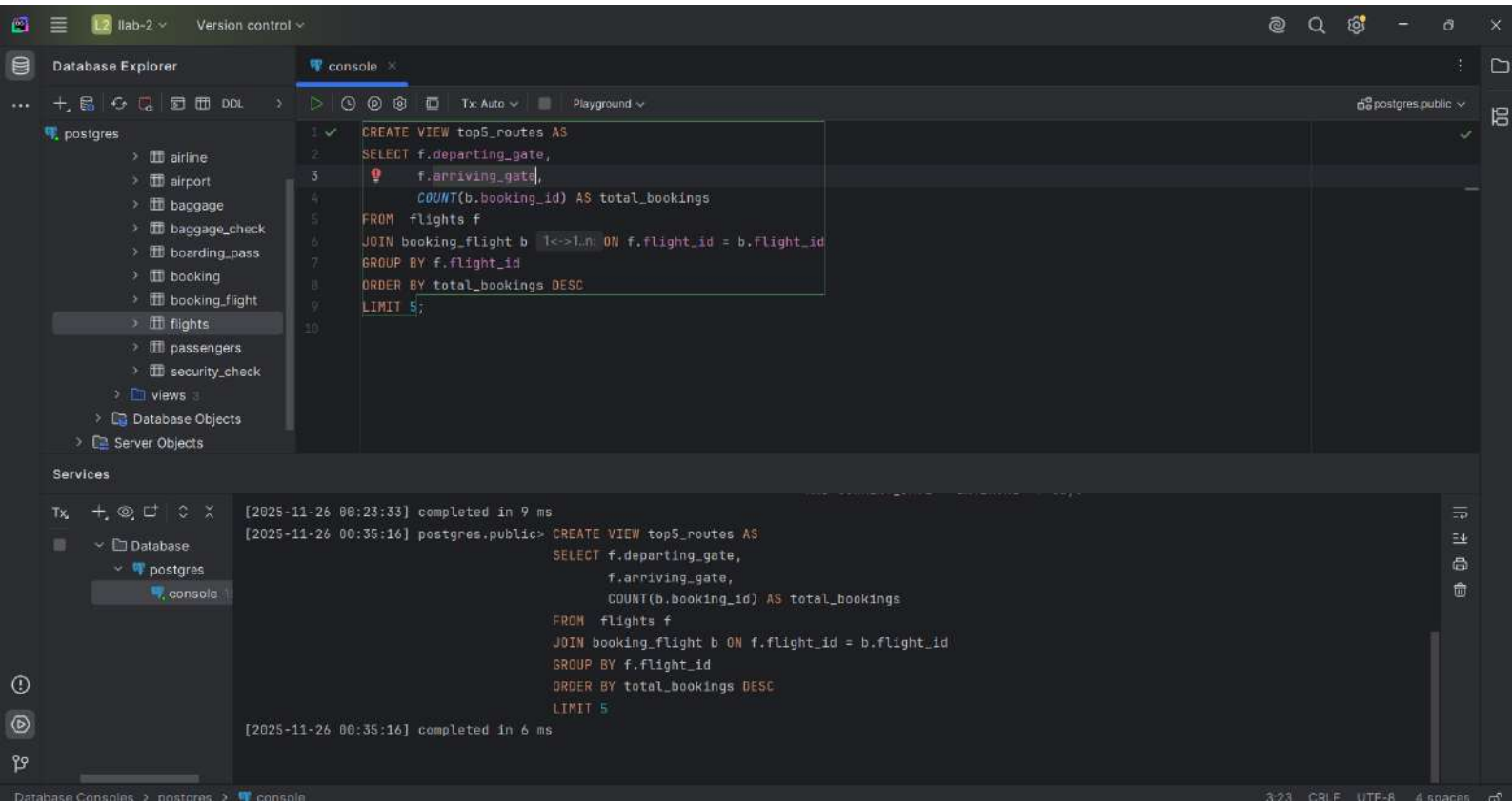

lab-2
Version control
Database Explorer
console
airport
flights
airline
passengers
DDL
Tx: Auto
Playground
postgres.public
postgres 1 of 4
postgres 1 of 3
public
tables 10
airline
airport
baggage
baggage_check
boarding_pass
booking
booking_flight
flights
passengers
security_check
views 0
Database Objects
Server Objects
CREATE VIEW top10_countries AS
SELECT a.country,
COUNT(*) AS visits
FROM flights f
JOIN airport a 1_n<->1: ON f.arrival_airport_id = a.airport_id
GROUP BY a.country
ORDER BY visits DESC
LIMIT 10;
Services
airline
flights
console
passenger
JOIN airport a ON f.arrival_airport_id = a.airport_id
GROUP BY a.country
ORDER BY visits DESC
LIMIT 10
[2025-11-26 00:44:35] completed in 6 ms

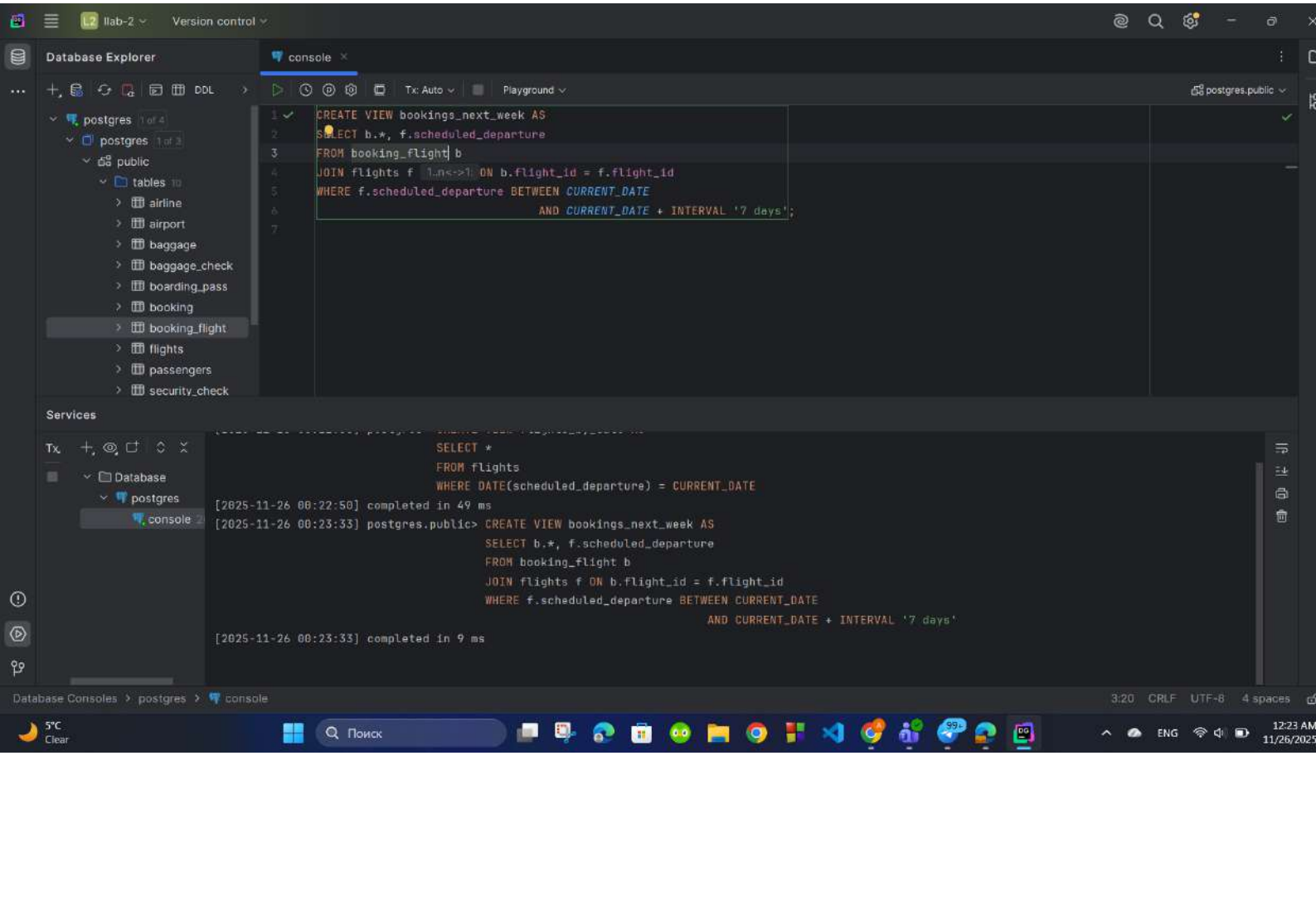

lab-2
Version control
Database Explorer
DDL
postgres 1 of 4
postgres 1 of 3
public
tables 10
airline
airport
baggage
baggage_check
boarding_pass
booking
booking_flight
flights
passengers
security_check
views 5
Database Objects
console
airport
airline
passengers
Tx: Auto
Playground
postgres.public
CREATE VIEW leffler_passengers AS
SELECT p.passenger_id,
p.first_name || ' ' || p.last_name AS full_name,
p.country_of_citizenship
FROM passengers p
JOIN booking b 1<->1..n: ON p.passenger_id = b.passenger_id
WHERE p.name = 'Leffler-Thompson';

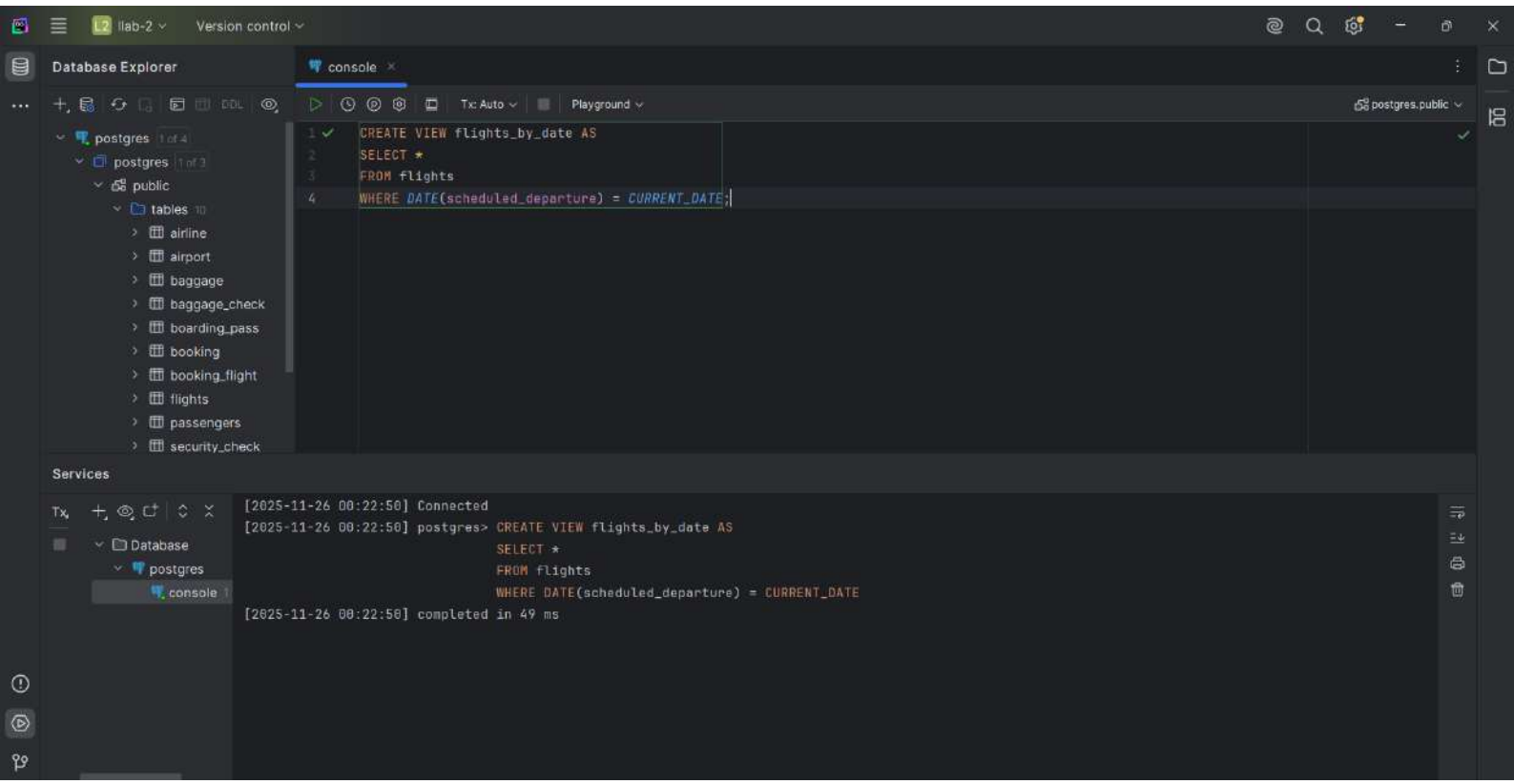

lab-2
Version control
Database Explorer
console
DDL
Tx: Auto
Playground
postgres
airline
airport
baggage
baggage_check
boarding_pass
booking
booking_flight
flights
passengers
security_check
views 5
Database Objects
Server Objects
CREATE VIEW delayed_24h AS
SELECT f.*
FROM flights f
WHERE (f.actual_departure - f.scheduled_departure) > INTERVAL '24 hours';
Services
Database
postgres
console
SELECT f.*
FROM flights f
WHERE f.airline_id = 1
AND f.scheduled_departure BETWEEN CURRENT_DATE
AND CURRENT_DATE + INTERVAL '7 days'
[2025-11-26 00:36:34] completed in 4 ms
[2025-11-26 00:37:46] postgres.public> CREATE VIEW delayed_24h AS
SELECT f.*
FROM flights f
WHERE (f.actual_departure - f.scheduled_departure) > INTERVAL '24 hours'
[2025-11-26 00:37:46] completed in 3 ms


lab-2
Version control
Database Explorer
console
DDL
Tx: Auto
Playground
postgres.public
postgres
airline
airport
baggage
baggage_check
boarding_pass
booking
booking_flight
flights
passengers
security_check
views 4
Database Objects
Server Objects
CREATE OR REPLACE VIEW flights_by_airline AS
SELECT f.*
FROM flights f
WHERE f.airline_id = 1
AND f.scheduled_departure BETWEEN CURRENT_DATE
AND CURRENT_DATE + INTERVAL '7 days';
Services
Database
postgres
console
SELECT f.*
FROM flights f
WHERE f.airline_id = 1
[2025-11-26 00:36:15] completed in 4 ms
[2025-11-26 00:36:34] postgres.public> CREATE OR REPLACE VIEW flights_by_airline AS
SELECT f.*
FROM flights f
WHERE f.airline_id = 1
AND f.scheduled_departure BETWEEN CURRENT_DATE
AND CURRENT_DATE + INTERVAL '7 days'
[2025-11-26 00:36:34] completed in 4 ms
Database Consoles > postgres > console
7:1
CRLF
UTF-8
4 spaces
5°C
Clear
Поиск
ENG
12:36 AM
11/26/2025


lab-2
Version control
Database Explorer
console
DDL
Tx: Auto
Playground
postgres.public
postgres
airline
airport
baggage
baggage_check
boarding_pass
booking
booking_flight
flights
passengers
security_check
views 4
Database Objects
Server Objects
CREATE VIEW flights_by_airline AS
SELECT f.*
FROM flights f
WHERE f.airline_id = 1;
Services
Database
postgres
console 2
FROM flights f
JOIN booking_flight b ON f.flight_id = b.flight_id
GROUP BY f.flight_id
ORDER BY total_bookings DESC
LIMIT 5
[2025-11-26 00:35:16] completed in 6 ms
[2025-11-26 00:36:15] postgres.public> CREATE VIEW flights_by_airline AS
SELECT f.*
FROM flights f
WHERE f.airline_id = 1
[2025-11-26 00:36:15] completed in 4 ms


lab-2
Version control
Database Explorer
console
DDL
Tx: Auto
Playground
postgres.public
postgres
airline
airport
baggage
baggage_check
boarding_pass
booking
booking_flight
flights
passengers
security_check
views 3
Database Objects
Server Objects
CREATE VIEW top5_routes AS
SELECT f.departing_gate,
f.arriving_gate,
COUNT(b.booking_id) AS total_bookings
FROM flights f
JOIN booking_flight b 1<->1..n: ON f.flight_id = b.flight_id
GROUP BY f.flight_id
ORDER BY total_bookings DESC
LIMIT 5;
Services
Database
postgres
console
[2025-11-26 00:23:33] completed in 9 ms
[2025-11-26 00:35:16] postgres.public> CREATE VIEW top5_routes AS
SELECT f.departing_gate,
f.arriving_gate,
COUNT(b.booking_id) AS total_bookings
FROM flights f
JOIN booking_flight b ON f.flight_id = b.flight_id
GROUP BY f.flight_id
ORDER BY total_bookings DESC
LIMIT 5
[2025-11-26 00:35:16] completed in 6 ms
Database Consoles > postgres > console
3:23 CRLF UTF-8 4 spaces


lab-2
Version control
Database Explorer
console
DDL
Tx: Auto
Playground
postgres.public
postgres
postgres
public
tables
airline
airport
baggage
baggage_check
boarding_pass
booking
booking_flight
flights
passengers
security_check
CREATE VIEW bookings_next_week AS
SELECT b.*, f.scheduled_departure
FROM booking_flight b
JOIN flights f ON b.flight_id = f.flight_id
WHERE f.scheduled_departure BETWEEN CURRENT_DATE
AND CURRENT_DATE + INTERVAL '7 days';
Services
Database
postgres
console
SELECT *
FROM flights
WHERE DATE(scheduled_departure) = CURRENT_DATE
[2025-11-26 00:22:50] completed in 49 ms
[2025-11-26 00:23:33] postgres.public> CREATE VIEW bookings_next_week AS
SELECT b.*, f.scheduled_departure
FROM booking_flight b
JOIN flights f ON b.flight_id = f.flight_id
WHERE f.scheduled_departure BETWEEN CURRENT_DATE
AND CURRENT_DATE + INTERVAL '7 days'
[2025-11-26 00:23:33] completed in 9 ms
Database Consoles
postgres
console
3:20
CRLF
UTF-8
4 spaces
5°C
Clear
Поиск
ENG
12:23 AM
11/26/2025


lab-2
Version control
Database Explorer
console
Tx: Auto
Playground
postgres.public
postgres
public
tables
airline
airport
baggage
baggage_check
boarding_pass
booking
booking_flight
flights
passengers
security_check
CREATE VIEW flights_by_date AS
SELECT *
FROM flights
WHERE DATE(scheduled_departure) = CURRENT_DATE;
Services
Database
postgres
console
[2025-11-26 00:22:50] Connected
[2025-11-26 00:22:50] postgres> CREATE VIEW flights_by_date AS
SELECT *
FROM flights
WHERE DATE(scheduled_departure) = CURRENT_DATE
[2025-11-26 00:22:50] completed in 49 ms