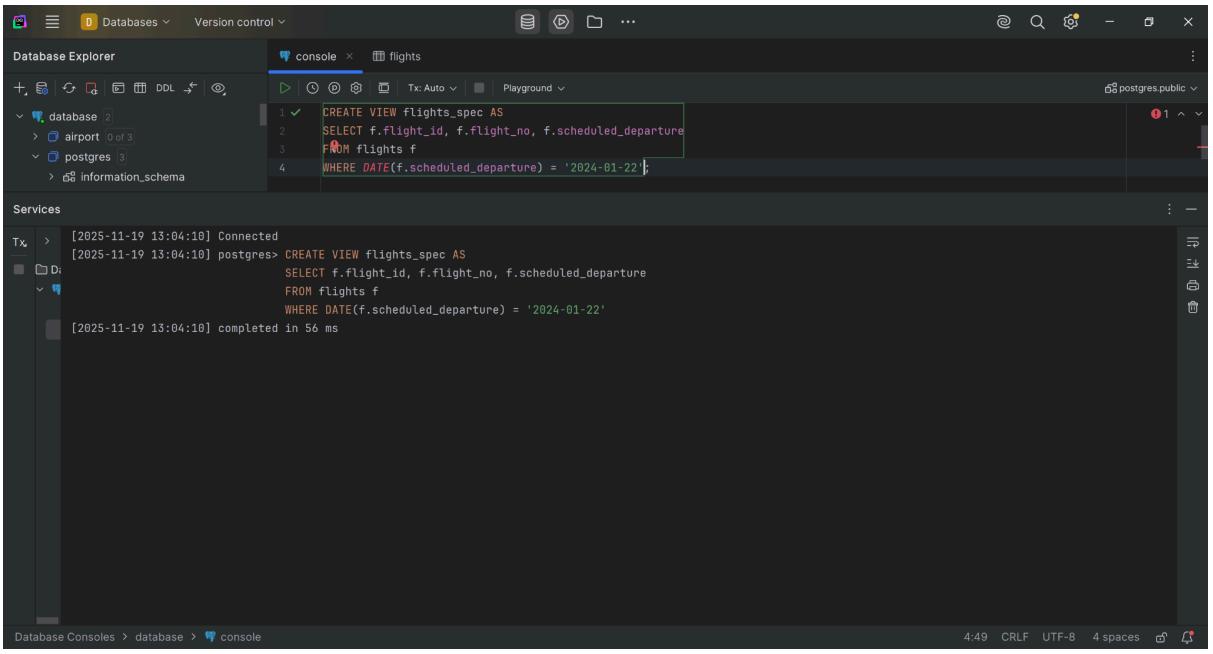
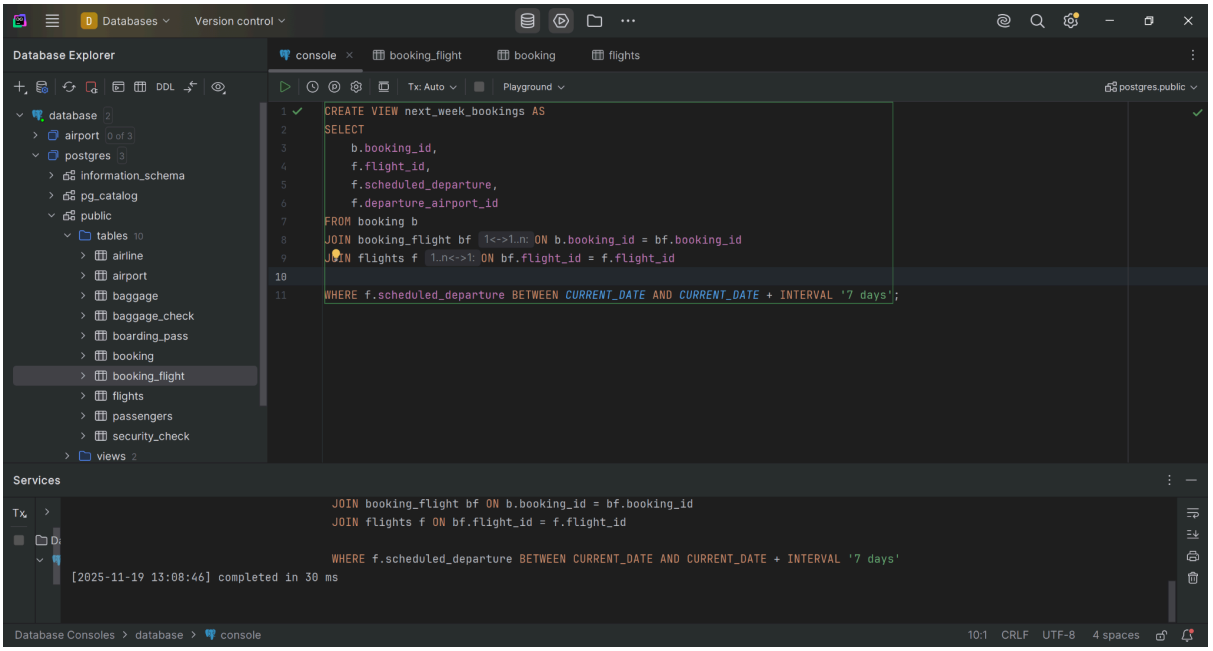
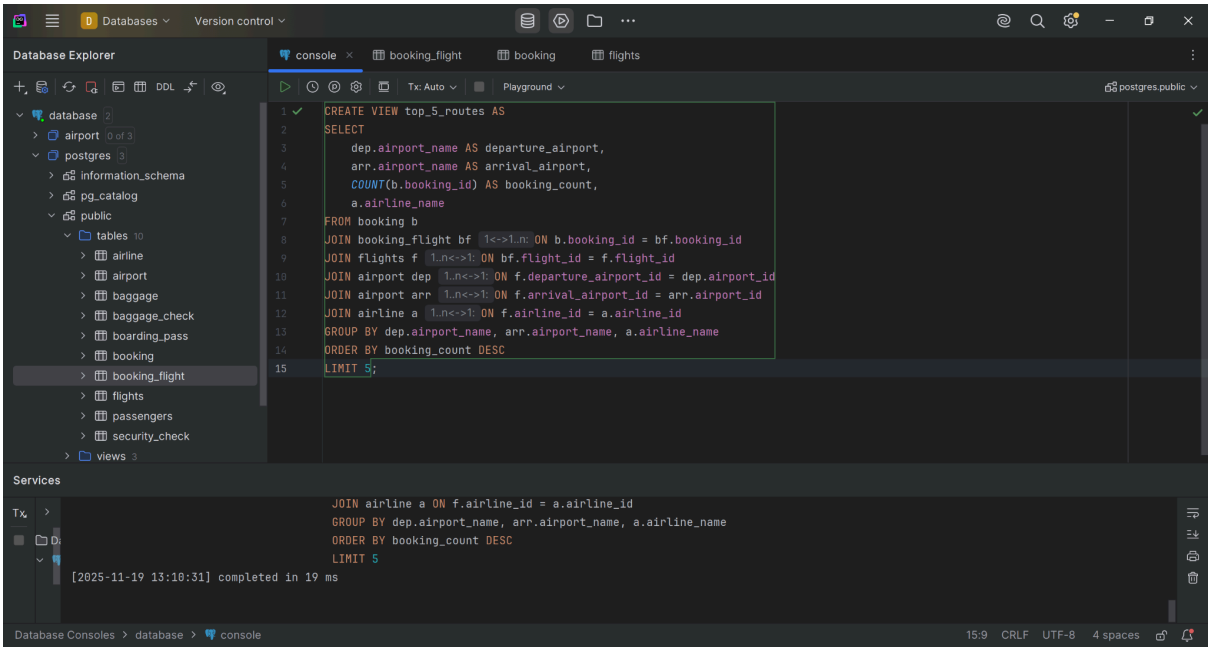
1)


Databases
Version control
Database Explorer
console
flights
DDL
Tx: Auto
Playground
postgres.public
database
airport
postgres
information_schema
CREATE VIEW flights_spec AS
SELECT f.flight_id, f.flight_no, f.scheduled_departure
FROM flights f
WHERE DATE(f.scheduled_departure) = '2024-01-22';
Services
[2025-11-19 13:04:10] Connected
[2025-11-19 13:04:10] postgres> CREATE VIEW flights_spec AS
SELECT f.flight_id, f.flight_no, f.scheduled_departure
FROM flights f
WHERE DATE(f.scheduled_departure) = '2024-01-22'
[2025-11-19 13:04:10] completed in 56 ms
Database Consoles
database
console
4:49
CRLF
UTF-8
4 spaces

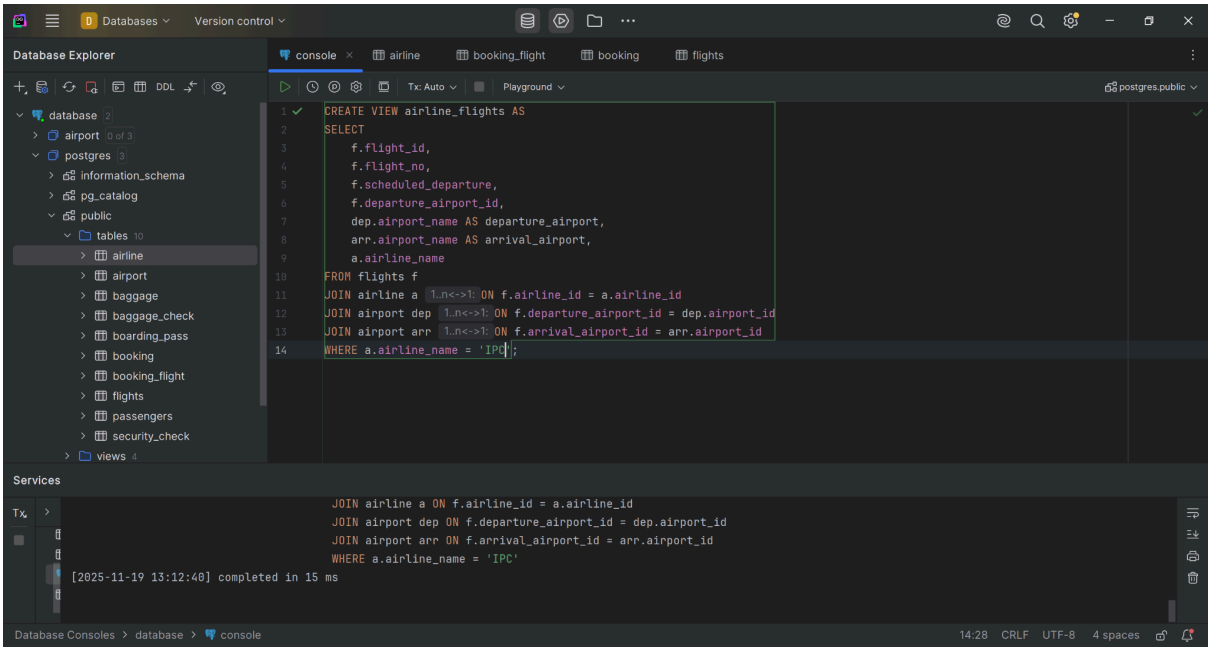
2)


Databases
Version control
Database Explorer
console
booking_flight
booking
flights
DDL
Tx: Auto
Playground
postgres.public
database
airport
postgres
information_schema
pg_catalog
public
tables
airline
airport
baggage
baggage_check
boarding_pass
booking
booking_flight
flights
passengers
security_check
views
CREATE VIEW next_week_bookings AS
SELECT
b.booking_id,
f.flight_id,
f.scheduled_departure,
f.departure_airport_id
FROM booking b
JOIN booking_flight bf ON b.booking_id = bf.booking_id
JOIN flights f ON bf.flight_id = f.flight_id
WHERE f.scheduled_departure BETWEEN CURRENT_DATE AND CURRENT_DATE + INTERVAL '7 days';
Services
JOIN booking_flight bf ON b.booking_id = bf.booking_id
JOIN flights f ON bf.flight_id = f.flight_id
WHERE f.scheduled_departure BETWEEN CURRENT_DATE AND CURRENT_DATE + INTERVAL '7 days'
[2025-11-19 13:08:46] completed in 30 ms
Database Consoles
database
console
10:1
CRLF
UTF-8
4 spaces

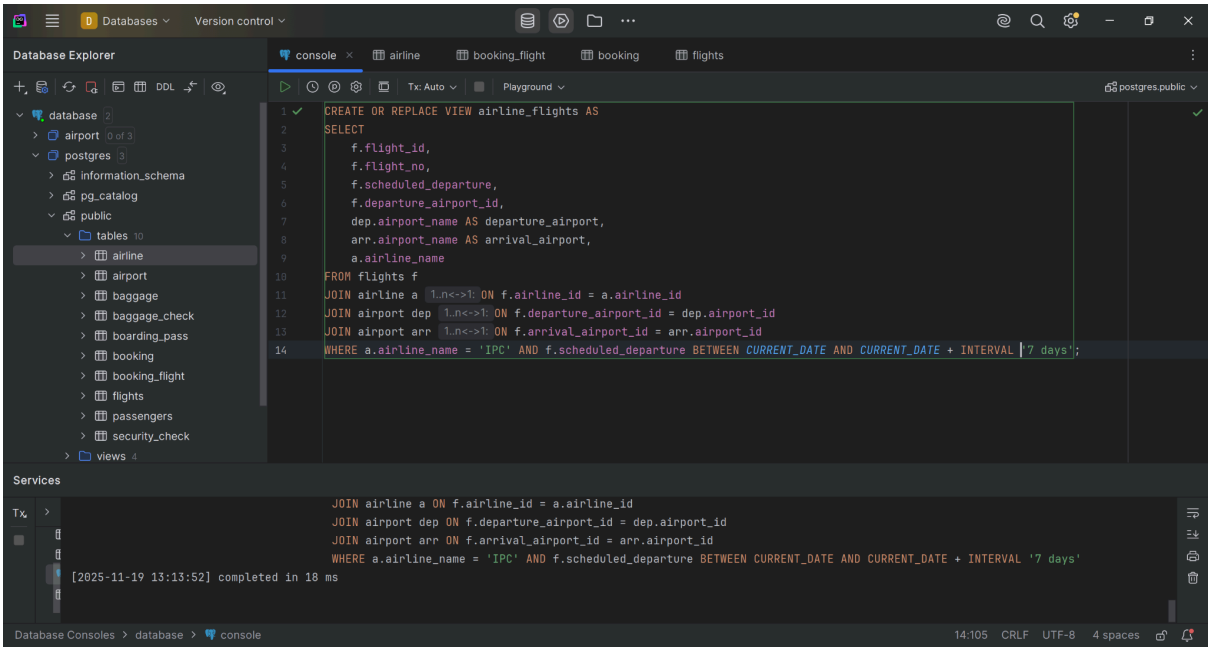
3)


Databases
Version control
Database Explorer
console
booking_flight
booking
flights
DDL
Tx: Auto
Playground
postgres.public
database
airport
postgres
information_schema
pg_catalog
public
tables
airline
airport
baggage
baggage_check
boarding_pass
booking
booking_flight
flights
passengers
security_check
views
CREATE VIEW top_5_routes AS
SELECT
dep.airport_name AS departure_airport,
arr.airport_name AS arrival_airport,
COUNT(b.booking_id) AS booking_count,
a.airline_name
FROM booking b
JOIN booking_flight bf 1<->1..n: ON b.booking_id = bf.booking_id
JOIN flights f 1..n<->1: ON bf.flight_id = f.flight_id
JOIN airport dep 1..n<->1: ON f.departure_airport_id = dep.airport_id
JOIN airport arr 1..n<->1: ON f.arrival_airport_id = arr.airport_id
JOIN airline a 1..n<->1: ON f.airline_id = a.airline_id
GROUP BY dep.airport_name, arr.airport_name, a.airline_name
ORDER BY booking_count DESC
LIMIT 5;
Services
JOIN airline a ON f.airline_id = a.airline_id
GROUP BY dep.airport_name, arr.airport_name, a.airline_name
ORDER BY booking_count DESC
LIMIT 5
[2025-11-19 13:10:31] completed in 19 ms
Database Consoles
database
console
15:9
CRLF
UTF-8
4 spaces

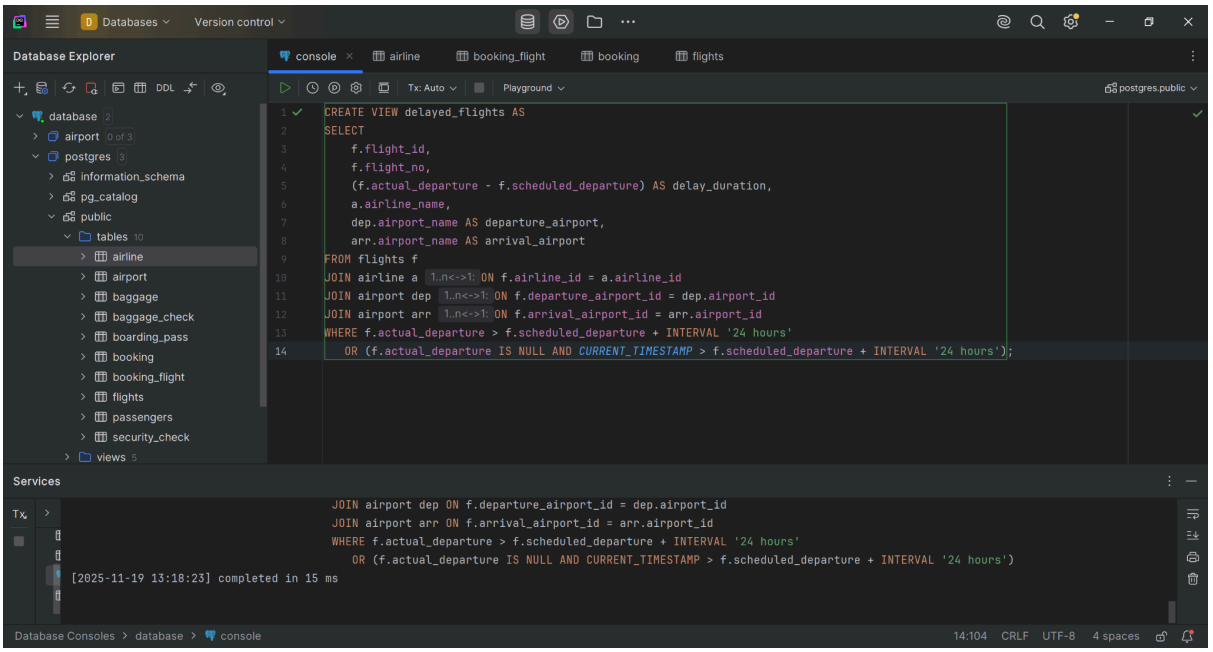
4)


Databases
Version control
Database Explorer
console
airline
booking_flight
booking
flights
DDL
Tx: Auto
Playground
postgres.public
database
airport
postgres
information_schema
pg_catalog
public
tables
airline
airport
baggage
baggage_check
boarding_pass
booking
booking_flight
flights
passengers
security_check
views
CREATE VIEW airline_flights AS
SELECT
f.flight_id,
f.flight_no,
f.scheduled_departure,
f.departure_airport_id,
dep.airport_name AS departure_airport,
arr.airport_name AS arrival_airport,
a.airline_name
FROM flights f
JOIN airline a 1..n<->1: ON f.airline_id = a.airline_id
JOIN airport dep 1..n<->1: ON f.departure_airport_id = dep.airport_id
JOIN airport arr 1..n<->1: ON f.arrival_airport_id = arr.airport_id
WHERE a.airline_name = 'IPC';
Services
JOIN airline a ON f.airline_id = a.airline_id
JOIN airport dep ON f.departure_airport_id = dep.airport_id
JOIN airport arr ON f.arrival_airport_id = arr.airport_id
WHERE a.airline_name = 'IPC'
[2025-11-19 13:12:40] completed in 15 ms
Database Consoles
database
console
14:28
CRLF
UTF-8
4 spaces

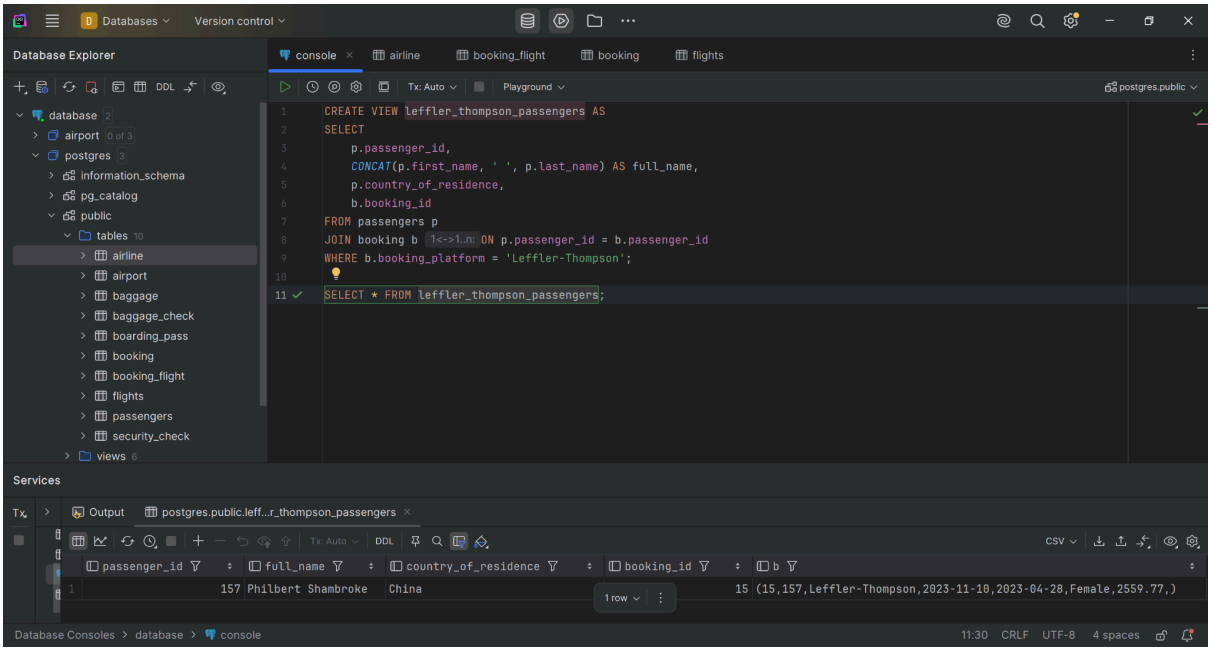
5)


Databases
Version control
Database Explorer
console
airline
booking_flight
booking
flights
DDL
Tx: Auto
Playground
postgres.public
database
airport
postgres
information_schema
pg_catalog
public
tables
airline
airport
baggage
baggage_check
boarding_pass
booking
booking_flight
flights
passengers
security_check
views
CREATE OR REPLACE VIEW airline_flights AS
SELECT
f.flight_id,
f.flight_no,
f.scheduled_departure,
f.departure_airport_id,
dep.airport_name AS departure_airport,
arr.airport_name AS arrival_airport,
a.airline_name
FROM flights f
JOIN airline a ON f.airline_id = a.airline_id
JOIN airport dep ON f.departure_airport_id = dep.airport_id
JOIN airport arr ON f.arrival_airport_id = arr.airport_id
WHERE a.airline_name = 'IPC' AND f.scheduled_departure BETWEEN CURRENT_DATE AND CURRENT_DATE + INTERVAL '7 days';
Services
JOIN airline a ON f.airline_id = a.airline_id
JOIN airport dep ON f.departure_airport_id = dep.airport_id
JOIN airport arr ON f.arrival_airport_id = arr.airport_id
WHERE a.airline_name = 'IPC' AND f.scheduled_departure BETWEEN CURRENT_DATE AND CURRENT_DATE + INTERVAL '7 days'
[2025-11-19 13:13:52] completed in 18 ms
Database Consoles
database
console
14:105
CRLF
UTF-8
4 spaces

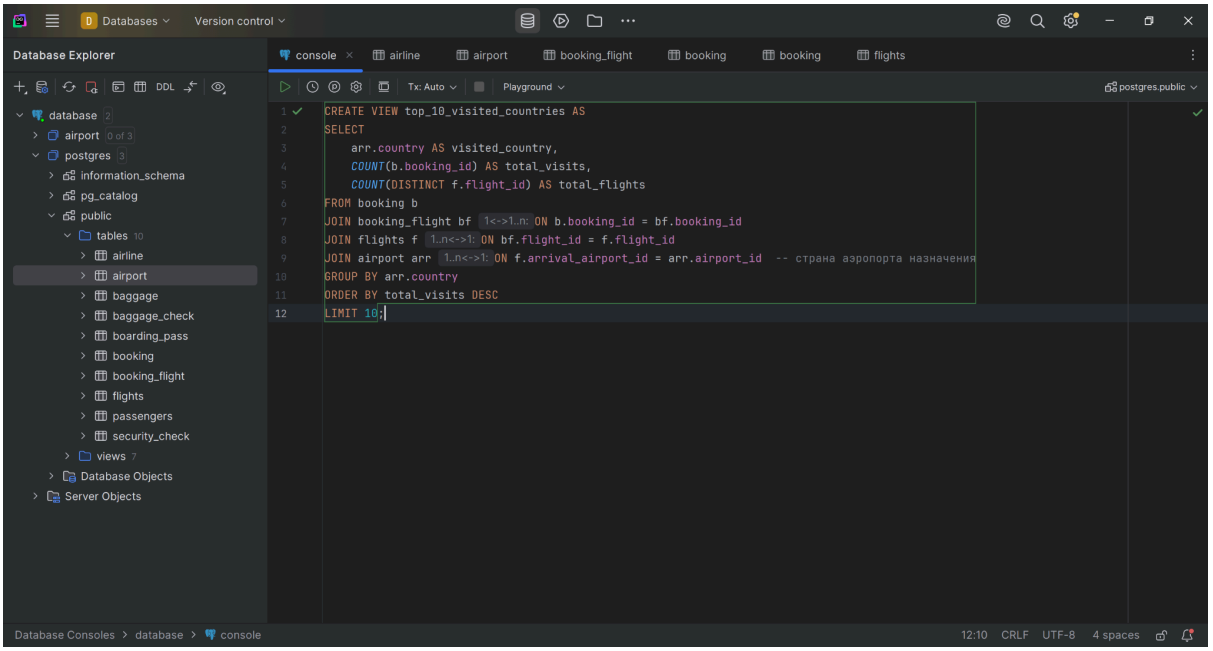
6)


Databases
Version control
Database Explorer
console
airline
booking_flight
booking
flights
DDL
Tx: Auto
Playground
postgres.public
database
airport
postgres
information_schema
pg_catalog
public
tables
airline
airport
baggage
baggage_check
boarding_pass
booking
booking_flight
flights
passengers
security_check
views
CREATE VIEW delayed_flights AS
SELECT
f.flight_id,
f.flight_no,
(f.actual_departure - f.scheduled_departure) AS delay_duration,
a.airline_name,
dep.airport_name AS departure_airport,
arr.airport_name AS arrival_airport
FROM flights f
JOIN airline a ON f.airline_id = a.airline_id
JOIN airport dep ON f.departure_airport_id = dep.airport_id
JOIN airport arr ON f.arrival_airport_id = arr.airport_id
WHERE f.actual_departure > f.scheduled_departure + INTERVAL '24 hours'
OR (f.actual_departure IS NULL AND CURRENT_TIMESTAMP > f.scheduled_departure + INTERVAL '24 hours');
Services
JOIN airport dep ON f.departure_airport_id = dep.airport_id
JOIN airport arr ON f.arrival_airport_id = arr.airport_id
WHERE f.actual_departure > f.scheduled_departure + INTERVAL '24 hours'
OR (f.actual_departure IS NULL AND CURRENT_TIMESTAMP > f.scheduled_departure + INTERVAL '24 hours')
[2025-11-19 13:18:23] completed in 15 ms
Database Consoles
database
console
14:104
CRLF
UTF-8
4 spaces

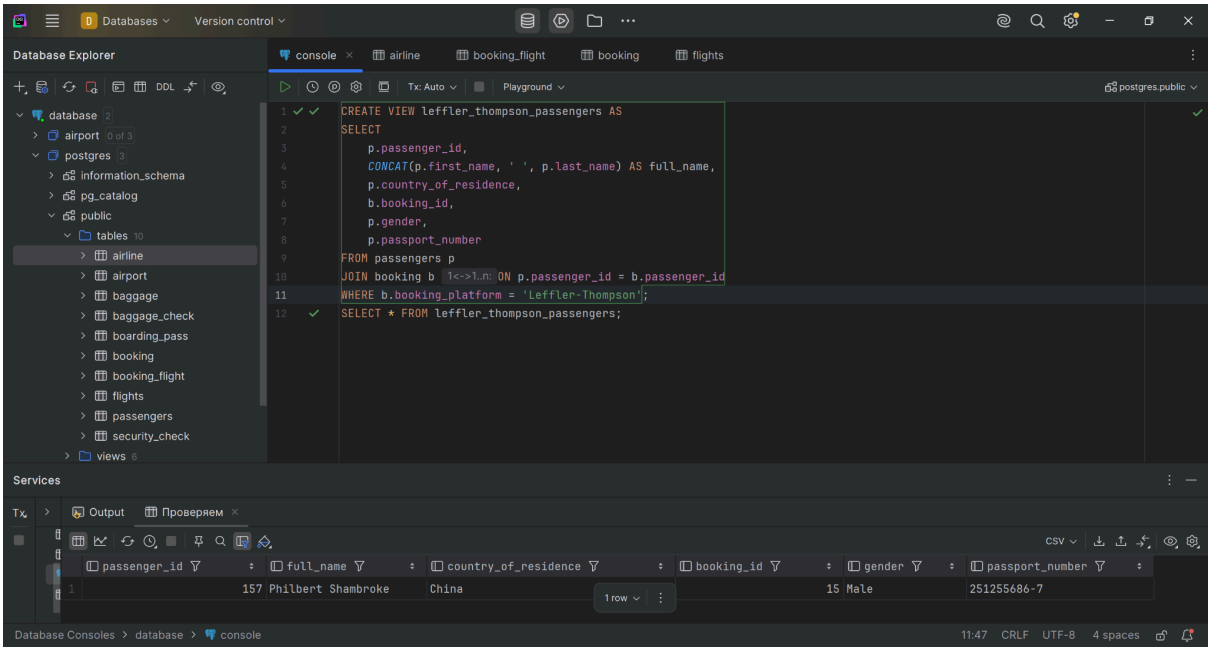
7)


Databases
Version control
Database Explorer
console
airline
booking_flight
booking
flights
CREATE VIEW leffler_thompson_passengers AS
SELECT
p.passenger_id,
CONCAT(p.first_name, ' ', p.last_name) AS full_name,
p.country_of_residence,
b.booking_id
FROM passengers p
JOIN booking b ON p.passenger_id = b.passenger_id
WHERE b.booking_platform = 'Leffler-Thompson';
SELECT * FROM leffler_thompson_passengers;
Services
Output
passenger_id
full_name
country_of_residence
booking_id
b
157 Philbert Shambroke China 15 (15,157,Leffler-Thompson,2023-11-10,2023-04-28,Female,2559.77,)

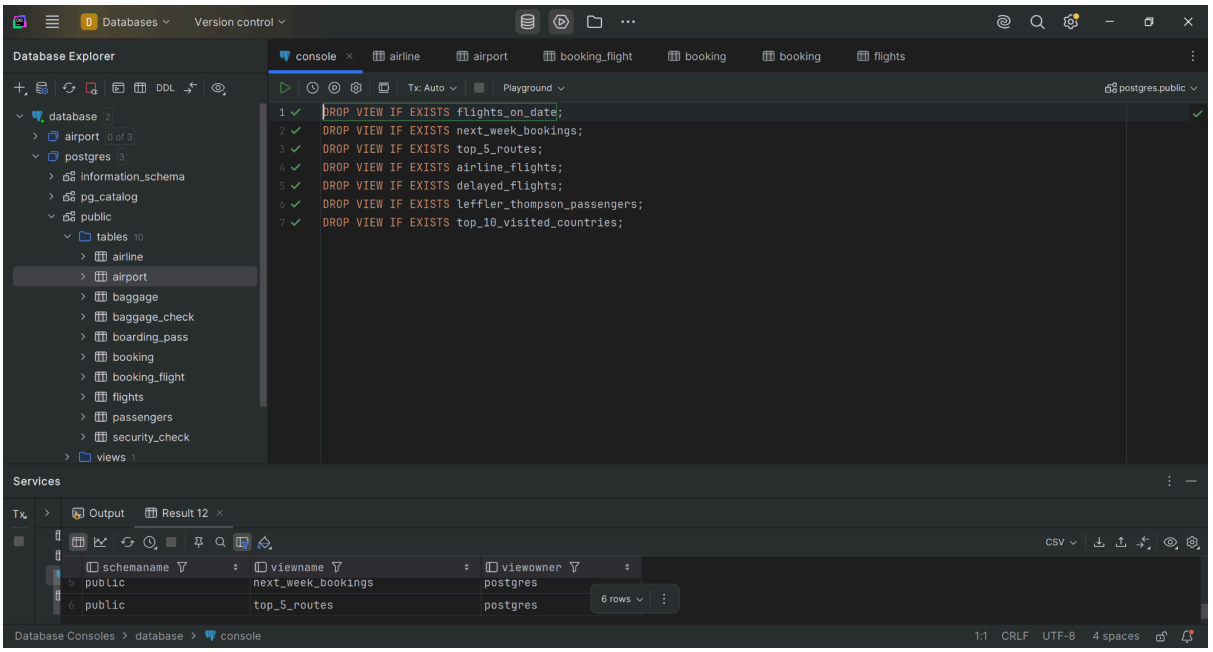
8)


Databases
Version control
Database Explorer
console
airline
airport
booking_flight
booking
booking
flights
CREATE VIEW top_10_visited_countries AS
SELECT
arr.country AS visited_country,
COUNT(b.booking_id) AS total_visits,
COUNT(DISTINCT f.flight_id) AS total_flights
FROM booking b
JOIN booking_flight bf ON b.booking_id = bf.booking_id
JOIN flights f ON bf.flight_id = f.flight_id
JOIN airport arr ON f.arrival_airport_id = arr.airport_id -- страна аэропорта назначения
GROUP BY arr.country
ORDER BY total_visits DESC
LIMIT 10;

9)


Databases
Version control
Database Explorer
console
airline
booking_flight
booking
flights
DDL
Tx: Auto
Playground
postgres.public
database
airport
postgres
information_schema
pg_catalog
public
tables
airline
airport
baggage
baggage_check
boarding_pass
booking
booking_flight
flights
passengers
security_check
views
CREATE VIEW leffler_thompson_passengers AS
SELECT
p.passenger_id,
CONCAT(p.first_name, ' ', p.last_name) AS full_name,
p.country_of_residence,
b.booking_id,
p.gender,
p.passport_number
FROM passengers p
JOIN booking b 1<->1..n: ON p.passenger_id = b.passenger_id
WHERE b.booking_platform = 'Leffler-Thompson';
SELECT * FROM leffler_thompson_passengers;
Services
Output
Проверяем
CSV
passenger_id
full_name
country_of_residence
booking_id
gender
passport_number
1
157
Philbert Shambroke
China
15
Male
251255686-7
1 row
Database Consoles
database
console
11:47
CRLF
UTF-8
4 spaces

10)


Databases
Version control
Database Explorer
console
airline
airport
booking_flight
booking
booking
flights
DDL
Tx: Auto
Playground
postgres.public
database
airport
postgres
information_schema
pg_catalog
public
tables
airline
airport
baggage
baggage_check
boarding_pass
booking
booking_flight
flights
passengers
security_check
views
DROP VIEW IF EXISTS flights_on_date;
DROP VIEW IF EXISTS next_week_bookings;
DROP VIEW IF EXISTS top_5_routes;
DROP VIEW IF EXISTS airline_flights;
DROP VIEW IF EXISTS delayed_flights;
DROP VIEW IF EXISTS leffler_thompson_passengers;
DROP VIEW IF EXISTS top_10_visited_countries;
Services
Output
Result 12
CSV
schemaname
viewname
viewowner
5
public
next_week_bookings
postgres
6
public
top_5_routes
postgres
6 rows
Database Consoles
database
console
1:1
CRLF
UTF-8
4 spaces