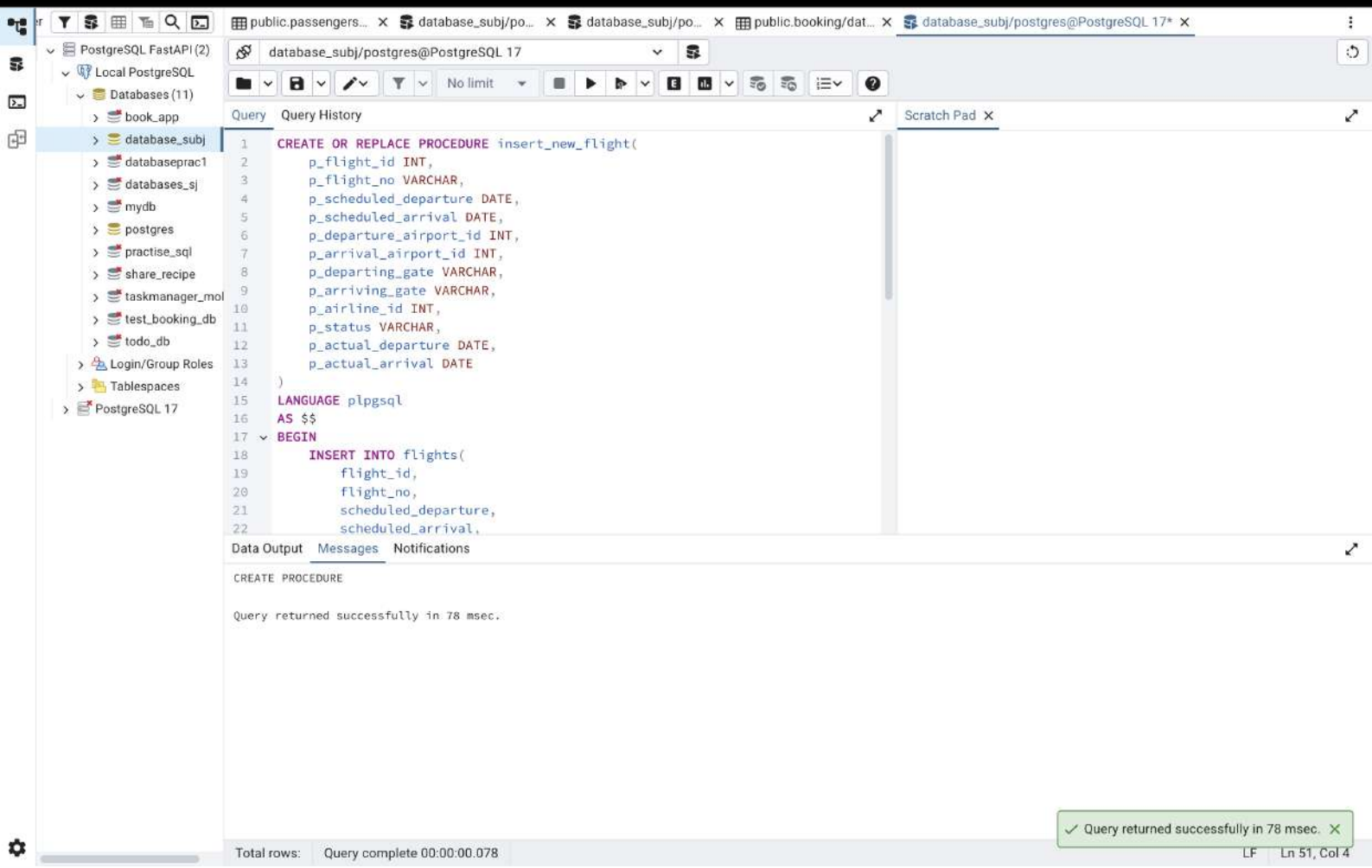
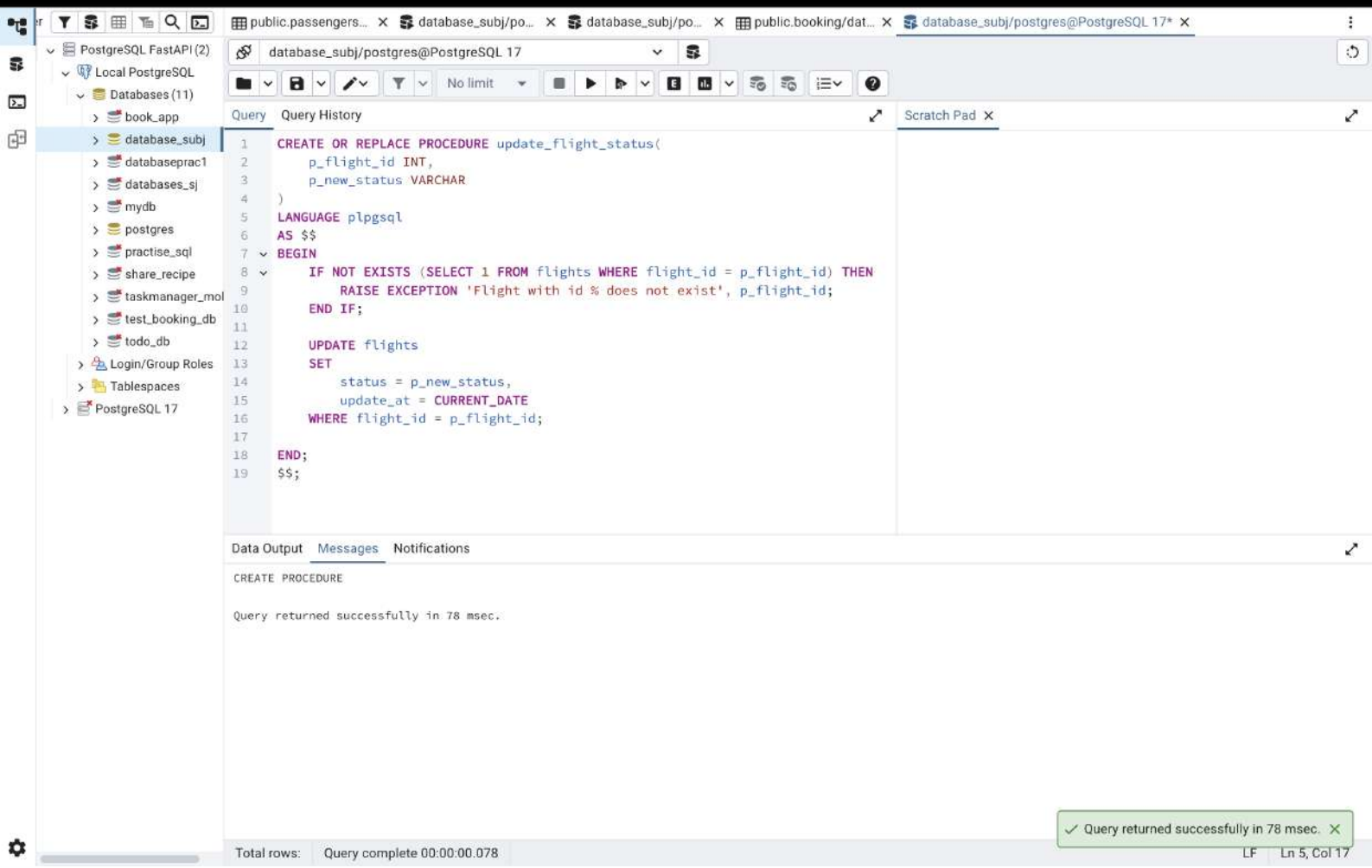

public.passengers...
database_subj/po...
database_subj/po...
public.booking/dat...
database_subj/postgres@PostgreSQL 17*
PostgreSQL FastAPI (2)
Local PostgreSQL
Databases (11)
book_app
database_subj
databaseprac1
databases_sj
mydb
postgres
practise_sql
share_recipe
taskmanager_mol
test_booking_db
todo_db
Login/Group Roles
Tablespaces
PostgreSQL 17
database_subj/postgres@PostgreSQL 17
No limit
Query
Query History
Scratch Pad
CREATE OR REPLACE PROCEDURE insert_new_flight(
p_flight_id INT,
p_flight_no VARCHAR,
p_scheduled_departure DATE,
p_scheduled_arrival DATE,
p_departure_airport_id INT,
p_arrival_airport_id INT,
p_departing_gate VARCHAR,
p_arriving_gate VARCHAR,
p_airline_id INT,
p_status VARCHAR,
p_actual_departure DATE,
p_actual_arrival DATE
)
LANGUAGE plpgsql
AS $$
BEGIN
INSERT INTO flights(
flight_id,
flight_no,
scheduled_departure,
scheduled_arrival,
Data Output
Messages
Notifications
CREATE PROCEDURE
Query returned successfully in 78 msec.
Query returned successfully in 78 msec.
Total rows:
Query complete 00:00:00.078
LF
Ln 51, Col 4


public.passengers...
database_subj/po...
database_subj/po...
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database_subj/postgres@PostgreSQL 17*
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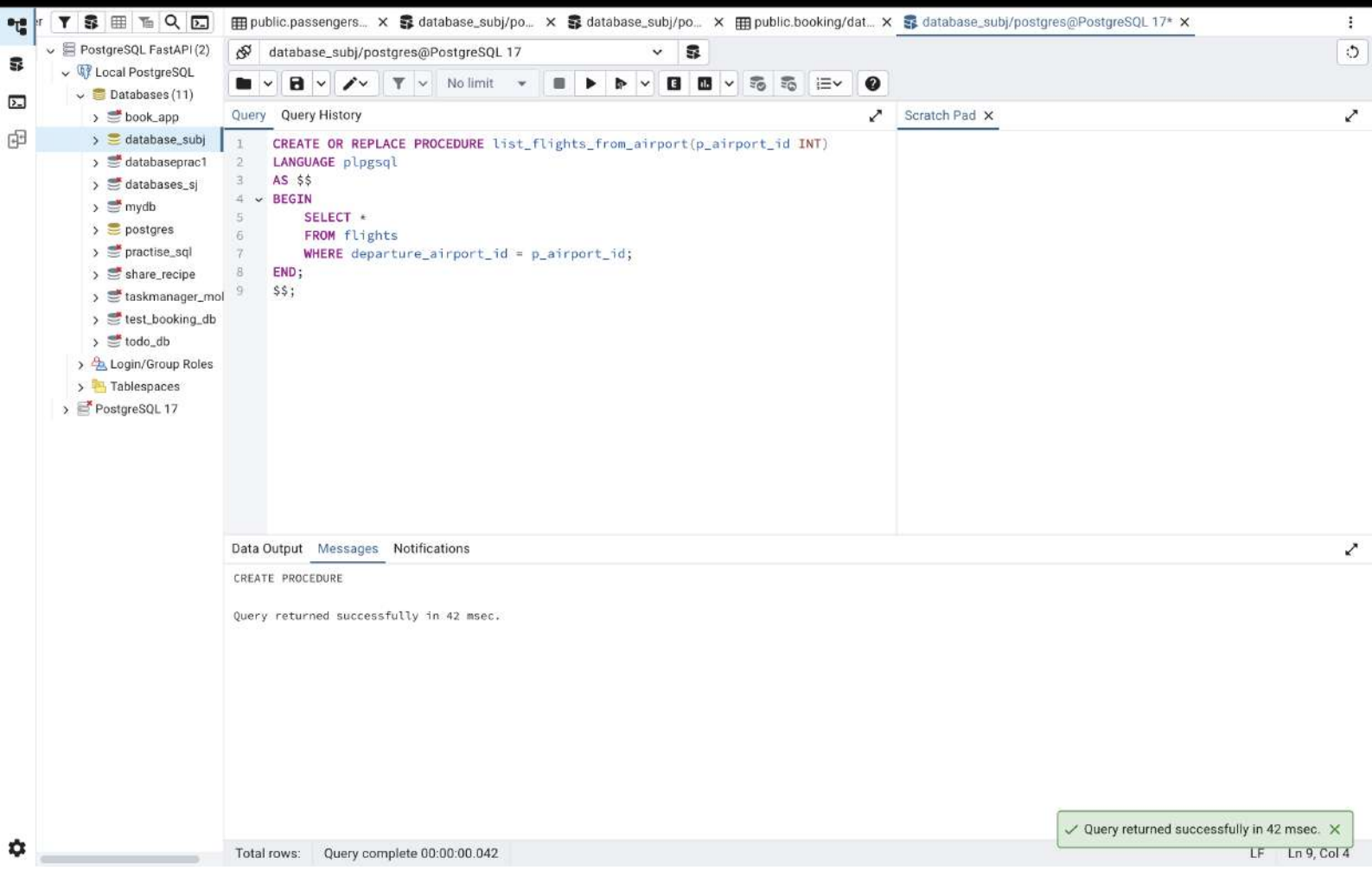
test_booking_db
todo_db
Login/Group Roles
Tablespaces
PostgreSQL 17
database_subj/postgres@PostgreSQL 17
No limit
Query
Query History
Scratch Pad
CREATE OR REPLACE PROCEDURE update_flight_status(
p_flight_id INT,
p_new_status VARCHAR
)
LANGUAGE plpgsql
AS $$
BEGIN
IF NOT EXISTS (SELECT 1 FROM flights WHERE flight_id = p_flight_id) THEN
RAISE EXCEPTION 'Flight with id % does not exist', p_flight_id;
END IF;
UPDATE flights
SET
status = p_new_status,
update_at = CURRENT_DATE
WHERE flight_id = p_flight_id;
END;
$$;
Data Output
Messages
Notifications
CREATE PROCEDURE
Query returned successfully in 78 msec.
Query returned successfully in 78 msec.
Total rows:
Query complete 00:00:00.078
LF
Ln 5, Col 17


public.passengers...
database_subj/po...
database_subj/po...
public.booking/dat...
database_subj/postgres@PostgreSQL 17*
PostgreSQL FastAPI (2)
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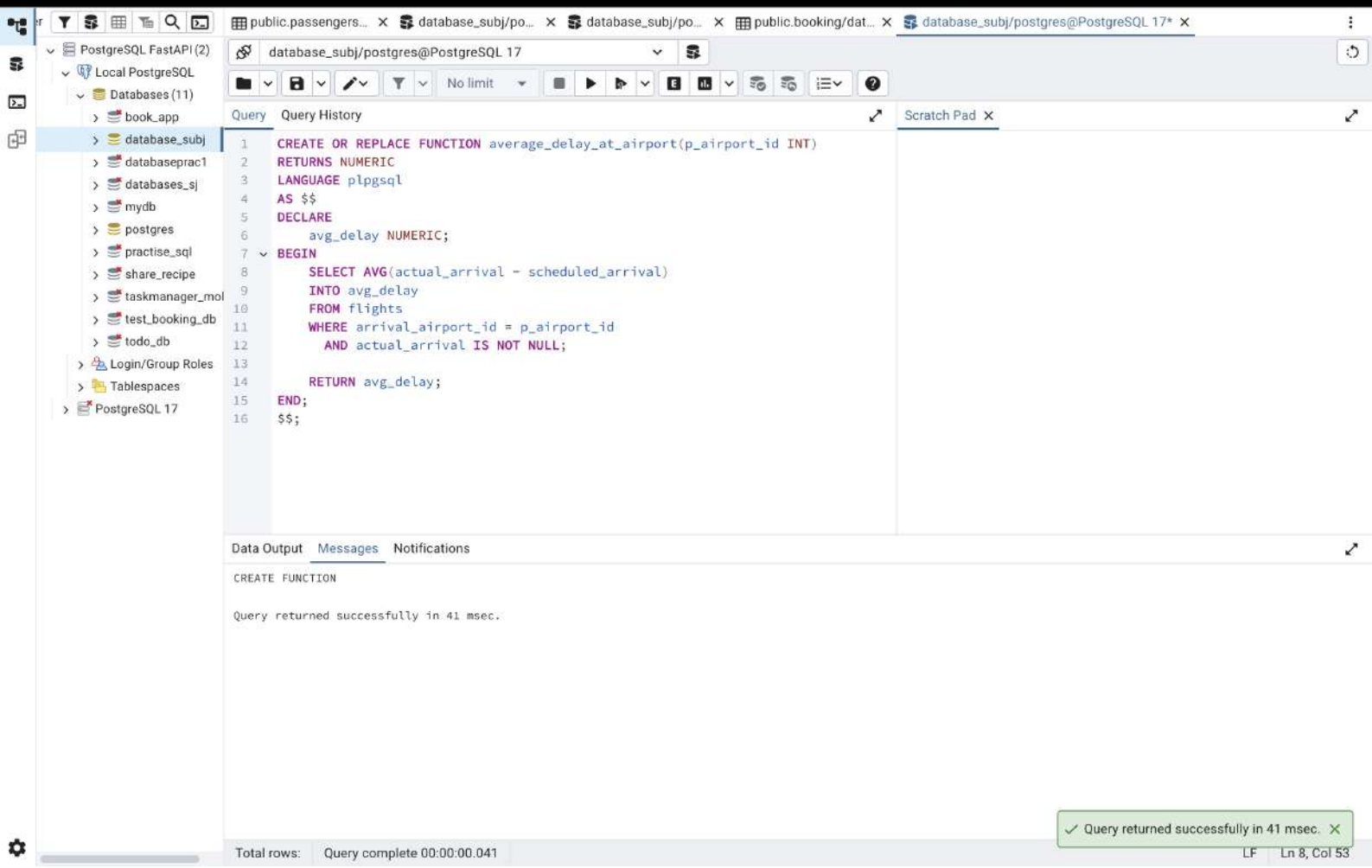
test_booking_db
todo_db
Login/Group Roles
Tablespaces
PostgreSQL 17
database_subj/postgres@PostgreSQL 17
No limit
Query
Query History
Scratch Pad
CREATE OR REPLACE PROCEDURE list_flights_from_airport(p_airport_id INT)
LANGUAGE plpgsql
AS $$
BEGIN
SELECT *
FROM flights
WHERE departure_airport_id = p_airport_id;
END;
$$;
Data Output
Messages
Notifications
CREATE PROCEDURE
Query returned successfully in 42 msec.
Query returned successfully in 42 msec.
Total rows:
Query complete 00:00:00.042
LF
Ln 9, Col 4


public.passengers...
database_subj/po...
database_subj/po...
public.booking/dat...
database_subj/postgres@PostgreSQL 17*
PostgreSQL FastAPI (2)
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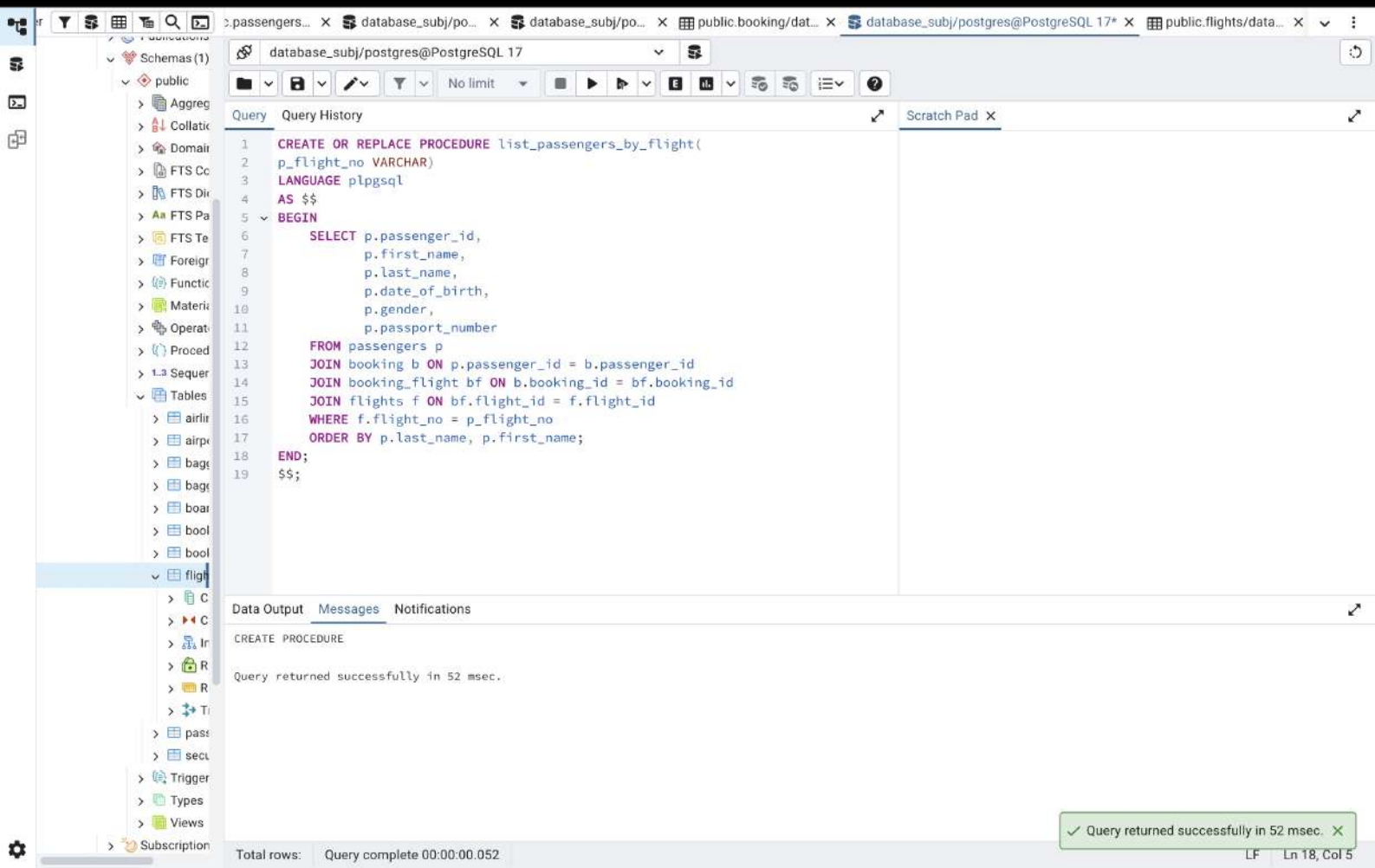
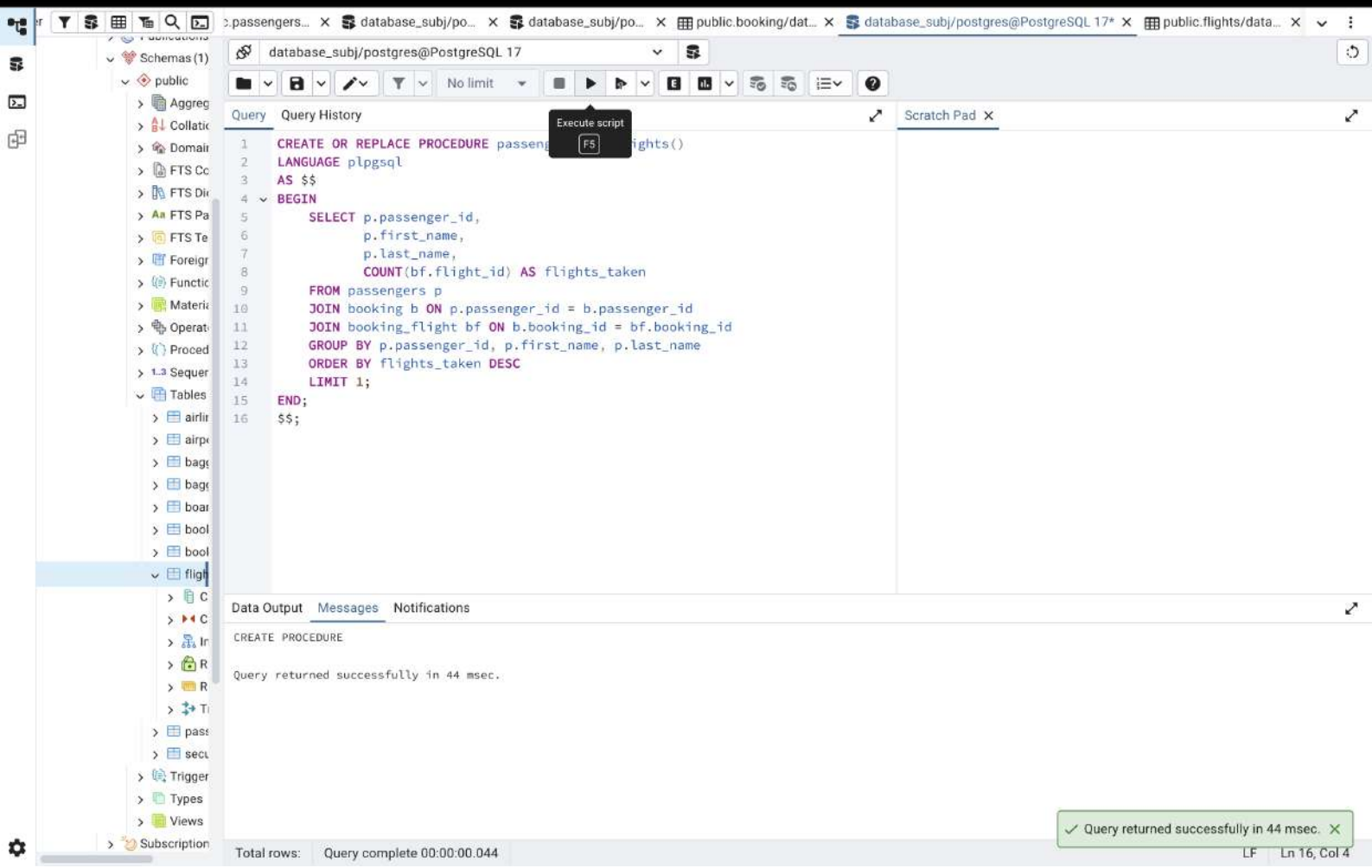
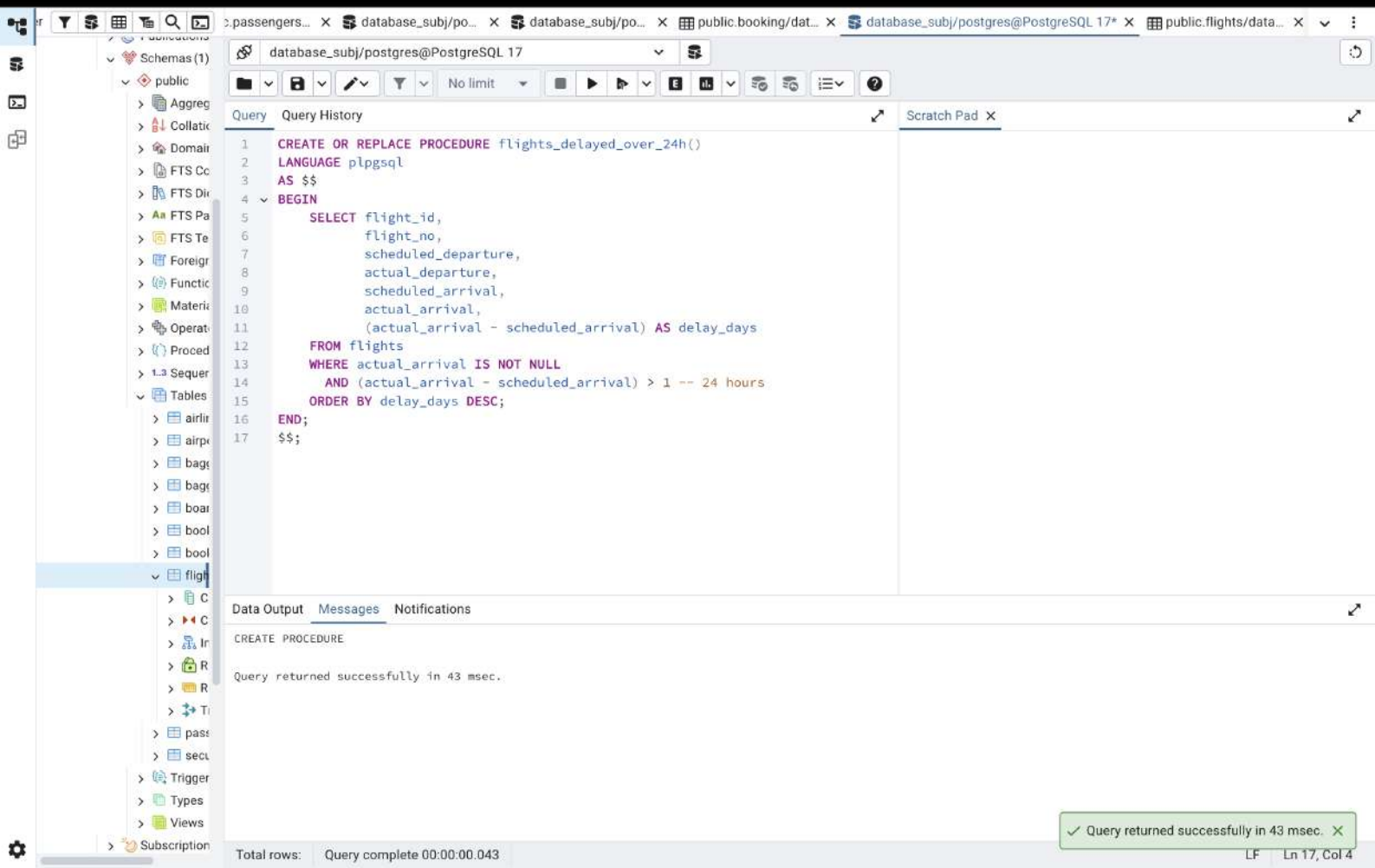
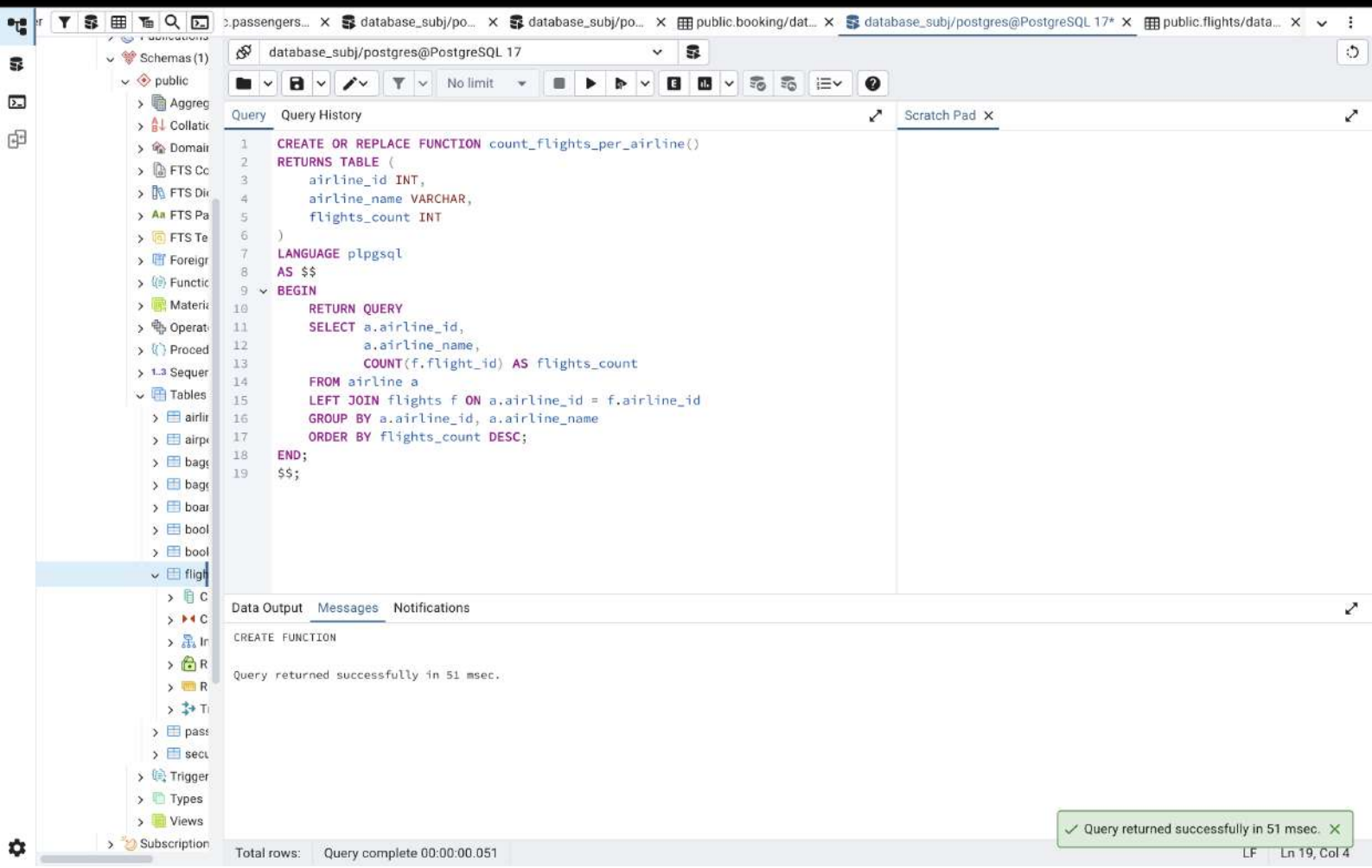
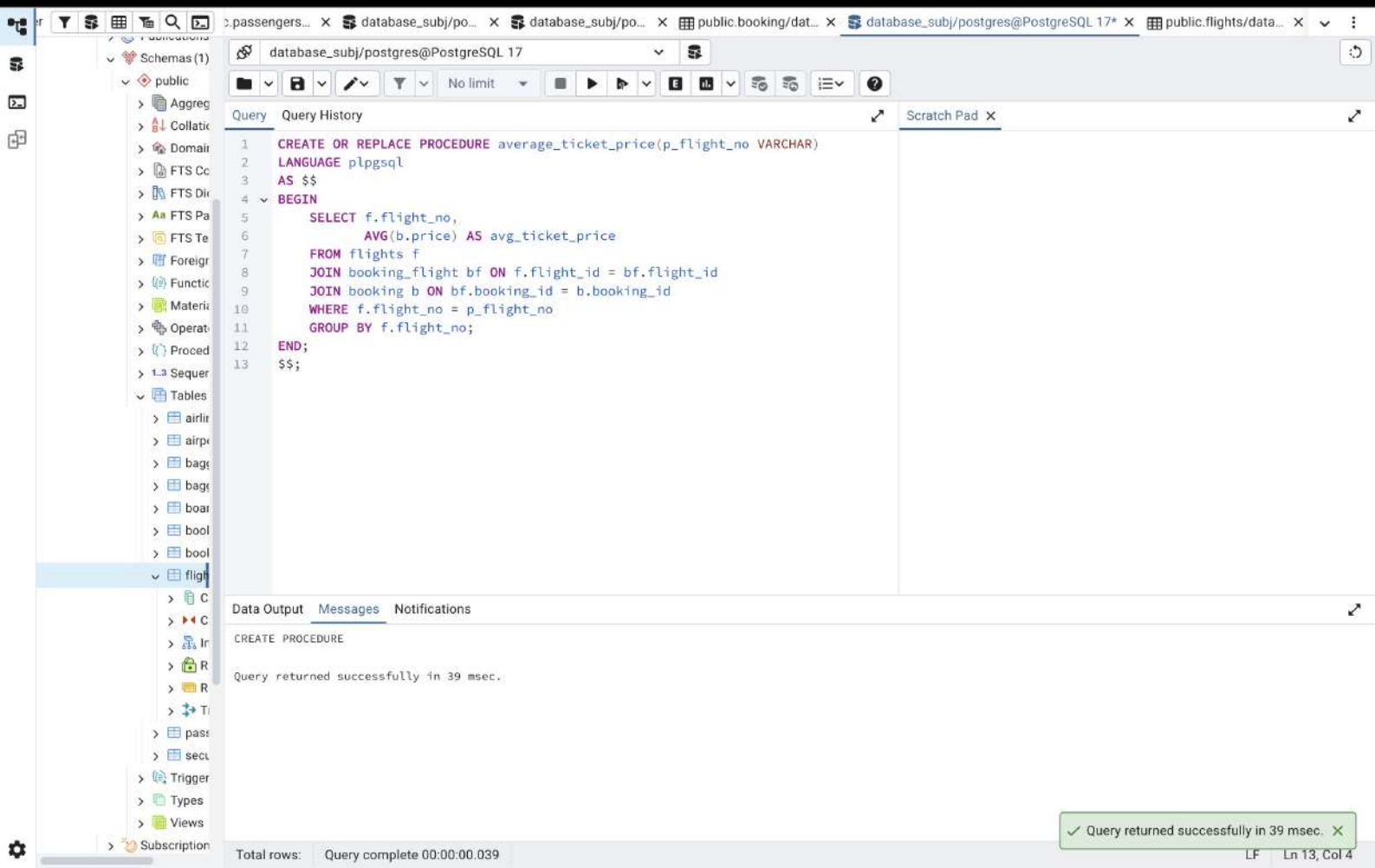
test_booking_db
todo_db
Login/Group Roles
Tablespaces
PostgreSQL 17
database_subj/postgres@PostgreSQL 17
No limit
Query
Query History
Scratch Pad
CREATE OR REPLACE FUNCTION average_delay_at_airport(p_airport_id INT)
RETURNS NUMERIC
LANGUAGE plpgsql
AS $$
DECLARE
avg_delay NUMERIC;
BEGIN
SELECT AVG(actual_arrival - scheduled_arrival)
INTO avg_delay
FROM flights
WHERE arrival_airport_id = p_airport_id
AND actual_arrival IS NOT NULL;
RETURN avg_delay;
END;
$$;
Data Output
Messages
Notifications
CREATE FUNCTION
Query returned successfully in 41 msec.
Query returned successfully in 41 msec.
Total rows:
Query complete 00:00:00.041
LF
Ln 8, Col 53

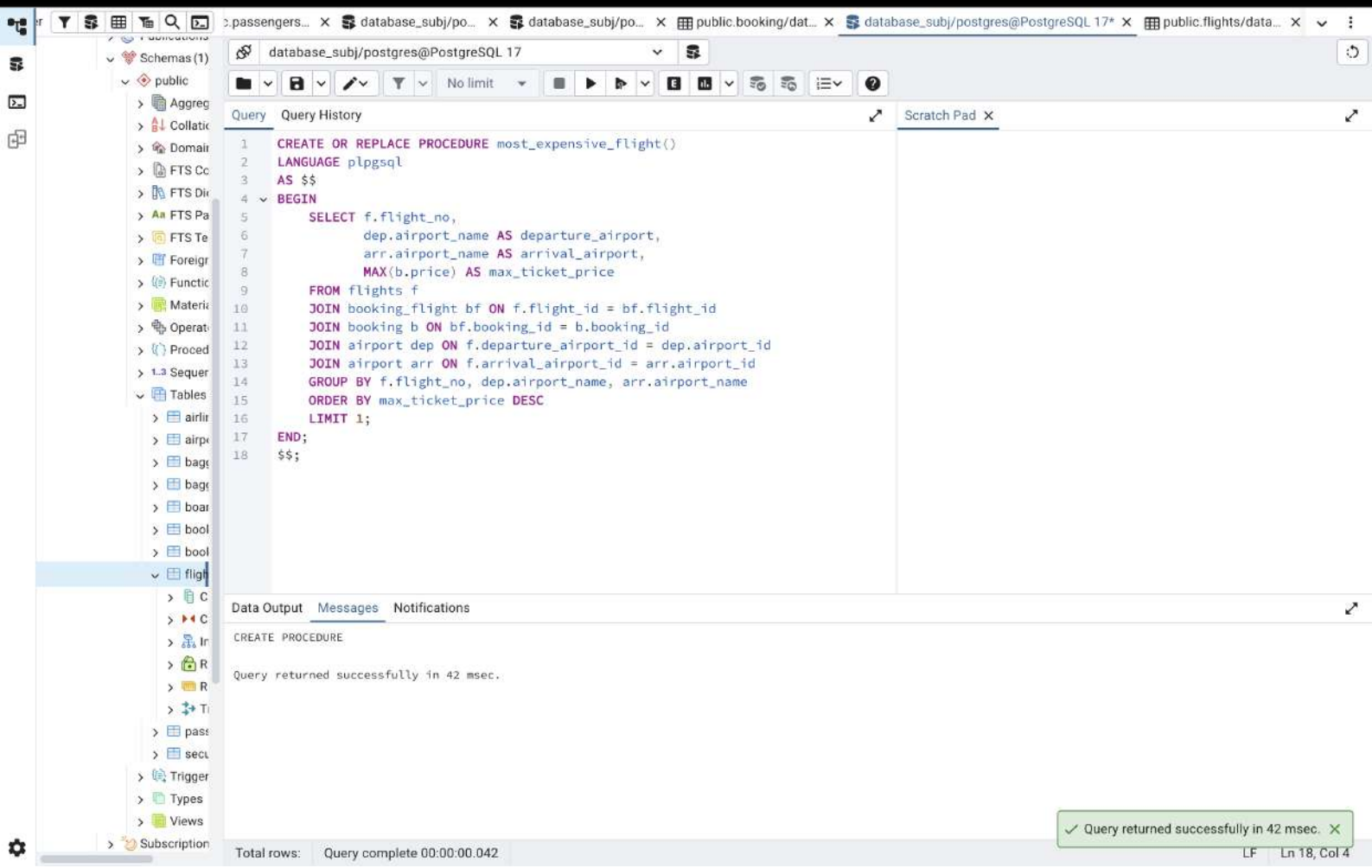

database_subj/postgres@PostgreSQL 17
No limit
Query
Query History
Scratch Pad
CREATE OR REPLACE PROCEDURE list_passengers_by_flight(
p_flight_no VARCHAR)
LANGUAGE plpgsql
AS $$
BEGIN
SELECT p.passenger_id,
p.first_name,
p.last_name,
p.date_of_birth,
p.gender,
p.passport_number
FROM passengers p
JOIN booking b ON p.passenger_id = b.passenger_id
JOIN booking_flight bf ON b.booking_id = bf.booking_id
JOIN flights f ON bf.flight_id = f.flight_id
WHERE f.flight_no = p_flight_no
ORDER BY p.last_name, p.first_name;
END;
$$;
Data Output
Messages
Notifications
CREATE PROCEDURE
Query returned successfully in 52 msec.
Total rows:
Query complete 00:00:00.052
Query returned successfully in 52 msec.
LF
Ln 18, Col 5


database_subj/postgres@PostgreSQL 17
No limit
Execute script
F5
Query
Query History
Scratch Pad
CREATE OR REPLACE PROCEDURE passen ights()
LANGUAGE plpgsql
AS $$
BEGIN
SELECT p.passenger_id,
p.first_name,
p.last_name,
COUNT(bf.flight_id) AS flights_taken
FROM passengers p
JOIN booking b ON p.passenger_id = b.passenger_id
JOIN booking_flight bf ON b.booking_id = bf.booking_id
GROUP BY p.passenger_id, p.first_name, p.last_name
ORDER BY flights_taken DESC
LIMIT 1;
END;
$$;
Data Output
Messages
Notifications
CREATE PROCEDURE
Query returned successfully in 44 msec.
Total rows:
Query complete 00:00:00.044
Ln 16, Col 4


database_subj/postgres@PostgreSQL 17
No limit
Query
Query History
Scratch Pad
CREATE OR REPLACE PROCEDURE flights_delayed_over_24h()
LANGUAGE plpgsql
AS $$
BEGIN
SELECT flight_id,
flight_no,
scheduled_departure,
actual_departure,
scheduled_arrival,
actual_arrival,
(actual_arrival - scheduled_arrival) AS delay_days
FROM flights
WHERE actual_arrival IS NOT NULL
AND (actual_arrival - scheduled_arrival) > 1 -- 24 hours
ORDER BY delay_days DESC;
END;
$$;
Data Output
Messages
Notifications
CREATE PROCEDURE
Query returned successfully in 43 msec.
Total rows:
Query complete 00:00:00.043
Query returned successfully in 43 msec.
LF
Ln 17, Col 4


database_subj/postgres@PostgreSQL 17
No limit
Query
Query History
Scratch Pad
CREATE OR REPLACE FUNCTION count_flights_per_airline()
RETURNS TABLE (
airline_id INT,
airline_name VARCHAR,
flights_count INT
)
LANGUAGE plpgsql
AS $$
BEGIN
RETURN QUERY
SELECT a.airline_id,
a.airline_name,
COUNT(f.flight_id) AS flights_count
FROM airline a
LEFT JOIN flights f ON a.airline_id = f.airline_id
GROUP BY a.airline_id, a.airline_name
ORDER BY flights_count DESC;
END;
$$;
Data Output
Messages
Notifications
CREATE FUNCTION
Query returned successfully in 51 msec.
Query returned successfully in 51 msec.
Total rows:
Query complete 00:00:00.051
LF
Ln 19, Col 4


database_subj/postgres@PostgreSQL 17
No limit
Query
Query History
Scratch Pad
CREATE OR REPLACE PROCEDURE average_ticket_price(p_flight_no VARCHAR)
LANGUAGE plpgsql
AS $$
BEGIN
SELECT f.flight_no,
AVG(b.price) AS avg_ticket_price
FROM flights f
JOIN booking_flight bf ON f.flight_id = bf.flight_id
JOIN booking b ON bf.booking_id = b.booking_id
WHERE f.flight_no = p_flight_no
GROUP BY f.flight_no;
END;
$$;
Data Output
Messages
Notifications
CREATE PROCEDURE
Query returned successfully in 39 msec.
Query returned successfully in 39 msec.
Total rows:
Query complete 00:00:00.039
LF
Ln 13, Col 4


database_subj/postgres@PostgreSQL 17
No limit
Query
Query History
Scratch Pad
CREATE OR REPLACE PROCEDURE most_expensive_flight()
LANGUAGE plpgsql
AS $$
BEGIN
SELECT f.flight_no,
dep.airport_name AS departure_airport,
arr.airport_name AS arrival_airport,
MAX(b.price) AS max_ticket_price
FROM flights f
JOIN booking_flight bf ON f.flight_id = bf.flight_id
JOIN booking b ON bf.booking_id = b.booking_id
JOIN airport dep ON f.departure_airport_id = dep.airport_id
JOIN airport arr ON f.arrival_airport_id = arr.airport_id
GROUP BY f.flight_no, dep.airport_name, arr.airport_name
ORDER BY max_ticket_price DESC
LIMIT 1;
END;
$$;
Data Output
Messages
Notifications
CREATE PROCEDURE
Query returned successfully in 42 msec.
Query returned successfully in 42 msec.
Total rows:
Query complete 00:00:00.042
LF
Ln 18, Col 4