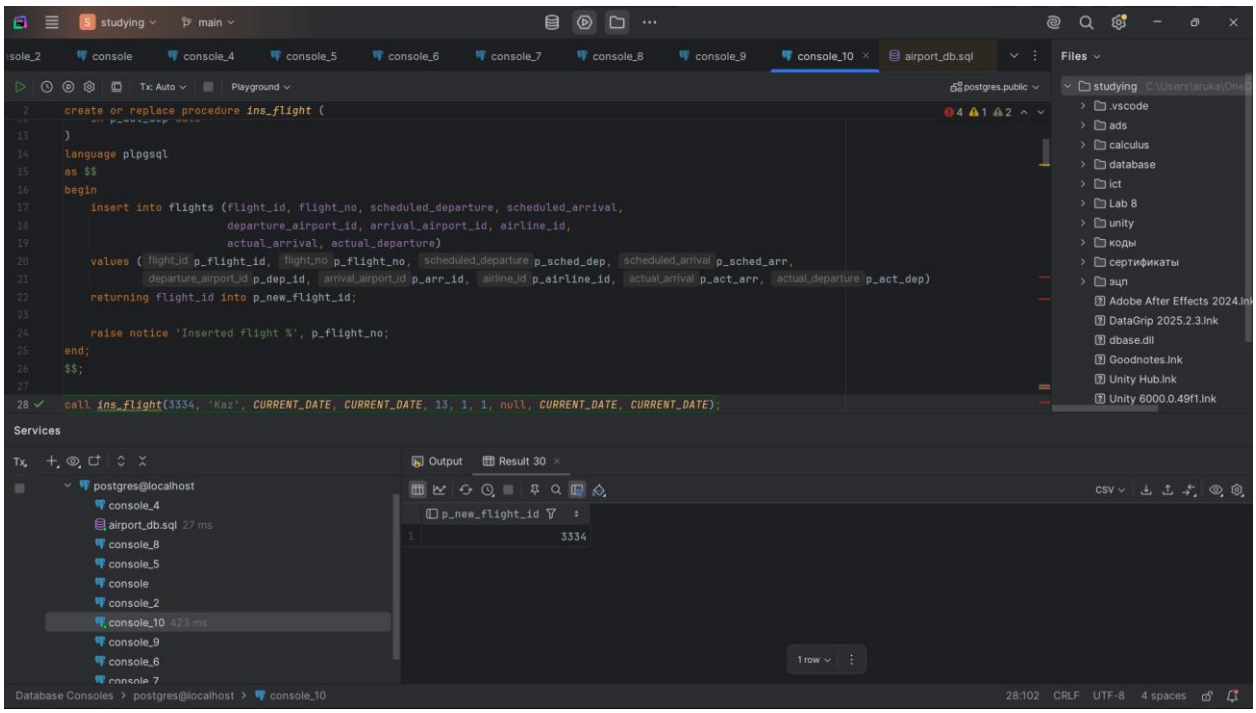
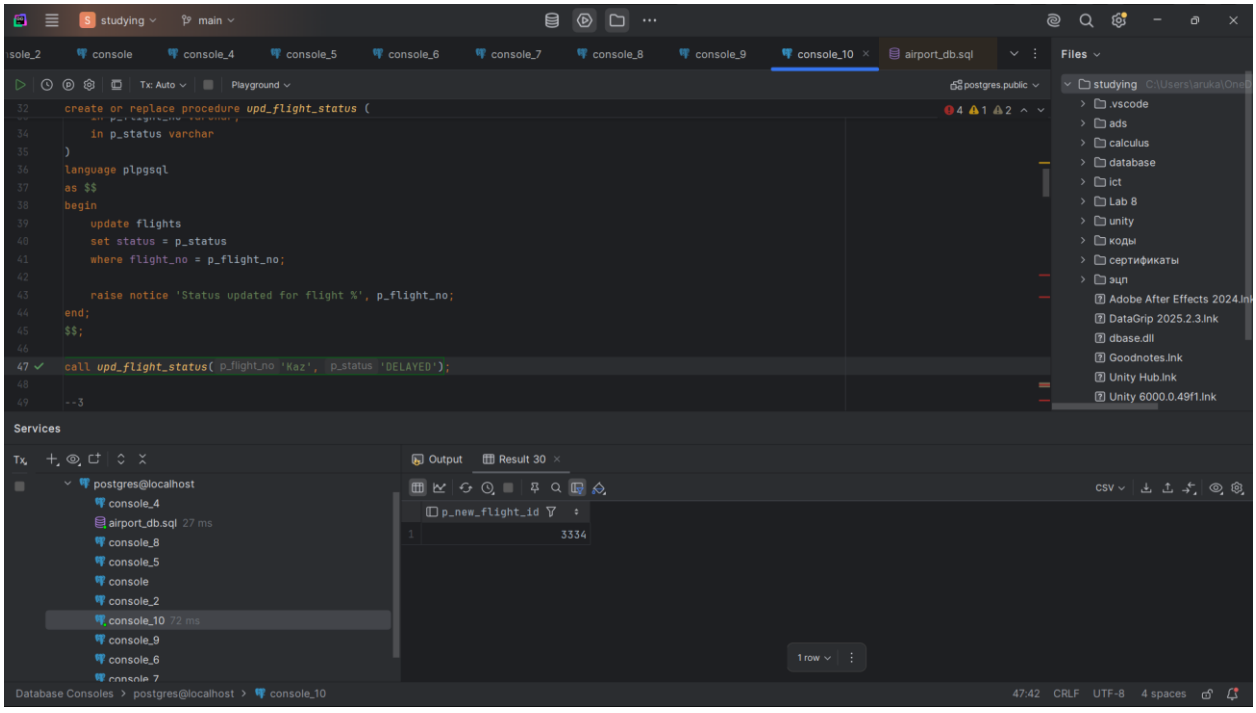
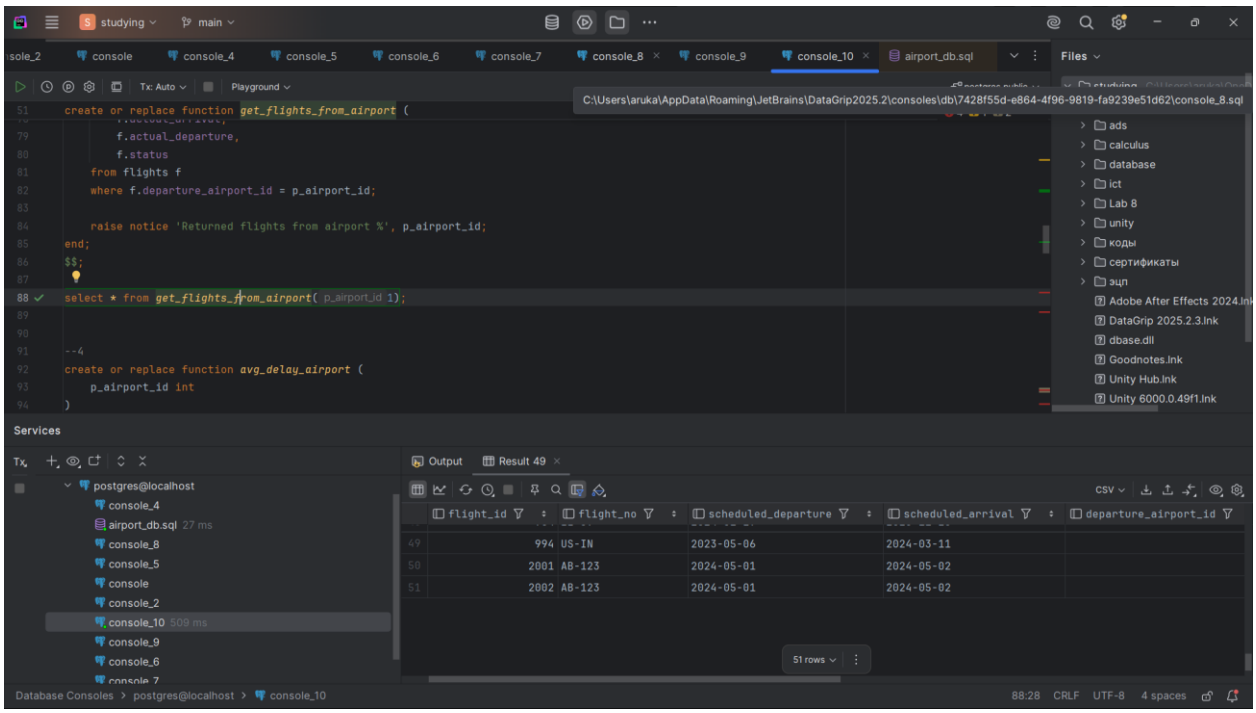
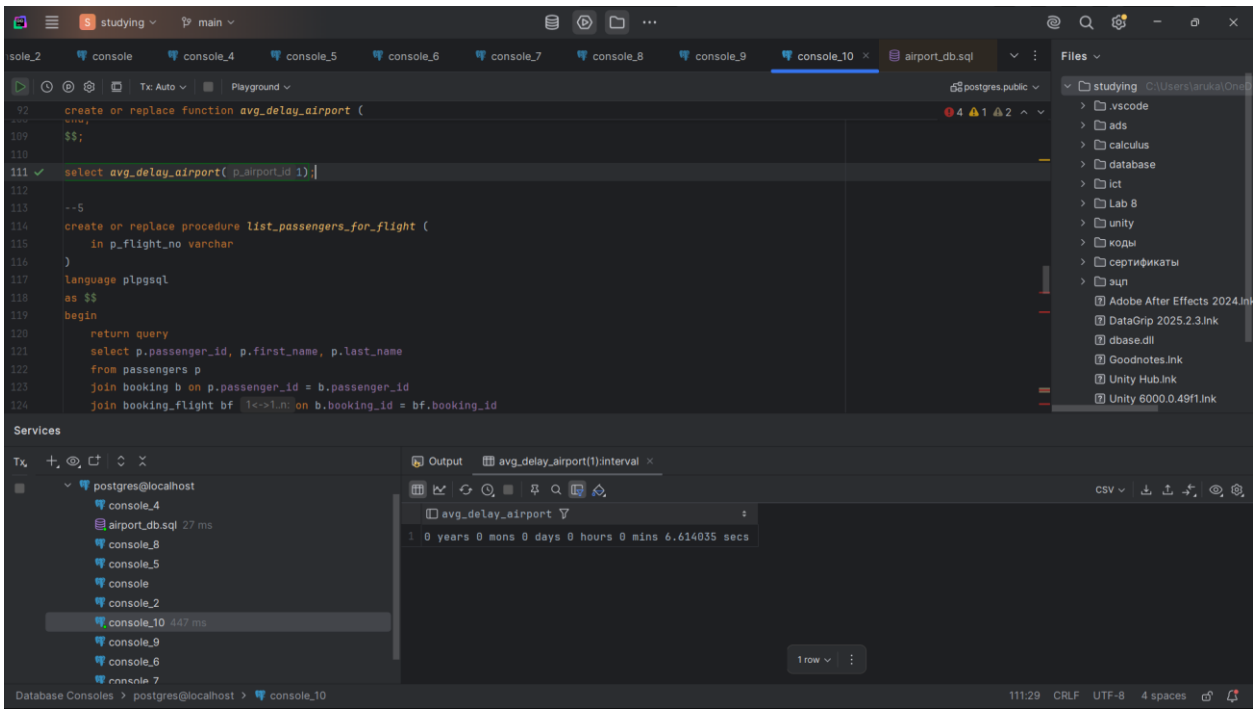
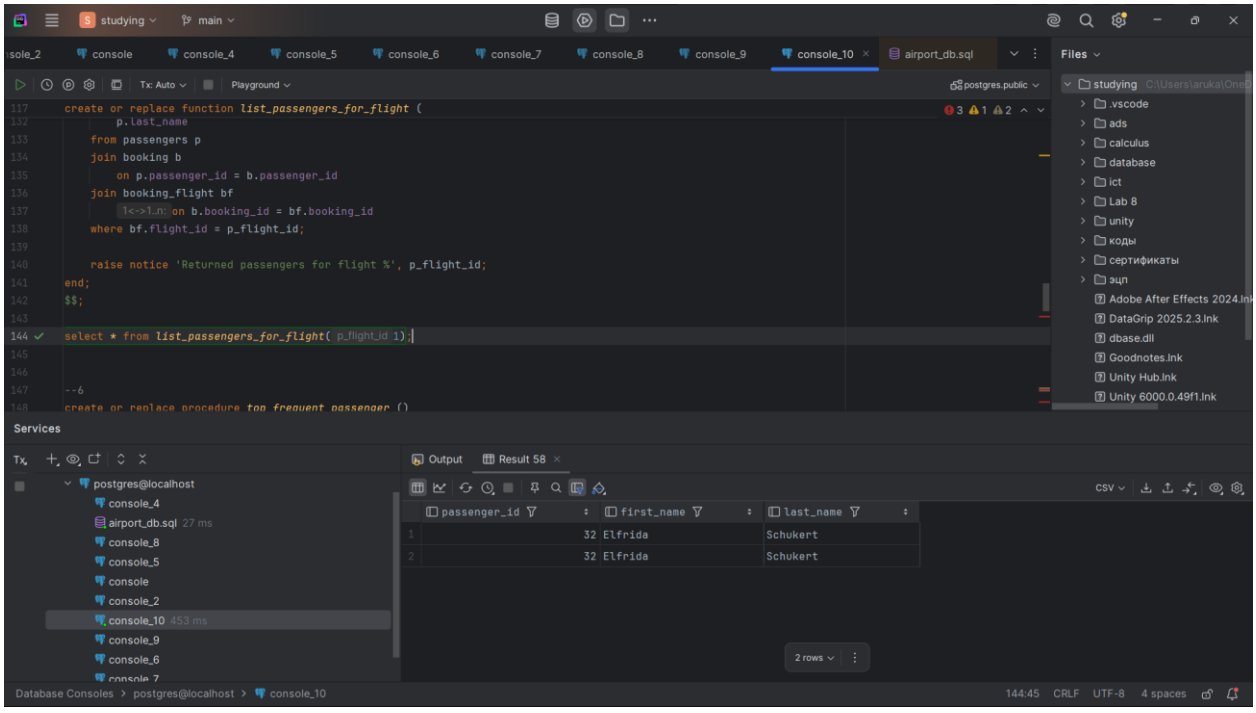
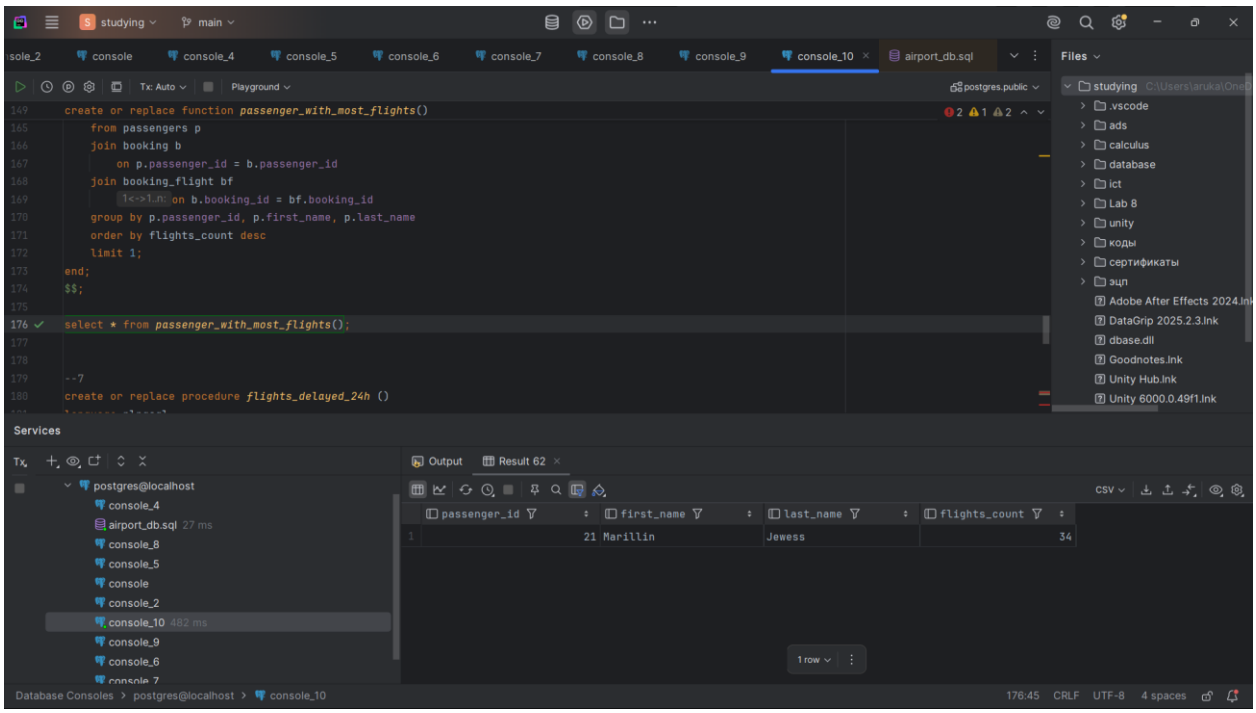

studying
main
console_2
console
console_4
console_5
console_6
console_7
console_8
console_9
console_10
airport_db.sql
Files
Tx: Auto
Playground
postgres.public
create or replace procedure ins_flight (
)
language plpgsql
as $$
begin
insert into flights (flight_id, flight_no, scheduled_departure, scheduled_arrival,
departure_airport_id, arrival_airport_id, airline_id,
actual_arrival, actual_departure)
values (flight_id p_flight_id, flight_no p_flight_no, scheduled_departure p_sched_dep, scheduled_arrival p_sched_arr,
departure_airport_id p_dep_id, arrival_airport_id p_arr_id, airline_id p_airline_id, actual_arrival p_act_arr, actual_departure p_act_dep)
returning flight_id into p_new_flight_id;
raise notice 'Inserted flight %', p_flight_no;
end;
$$;
call ins_flight(3334, 'Kaz', CURRENT_DATE, CURRENT_DATE, 13, 1, 1, null, CURRENT_DATE, CURRENT_DATE);
Services
Output
Result 30
CSV
p_new_flight_id
3334
1 row
postgres@localhost
console_4
airport_db.sql 27 ms
console_8
console_5
console
console_2
console_10 423 ms
console_9
console_6
Database Consoles
postgres@localhost
console_10
28:102
CRLF
UTF-8
4 spaces
.vscode
ads
calculus
database
ict
Lab 8
unity
коды
сертификаты
эцп
Adobe After Effects 2024.lnk
DataGrip 2025.2.3.lnk
dbase.dll
Goodnotes.lnk
Unity Hub.lnk
Unity 6000.0.49f1.lnk

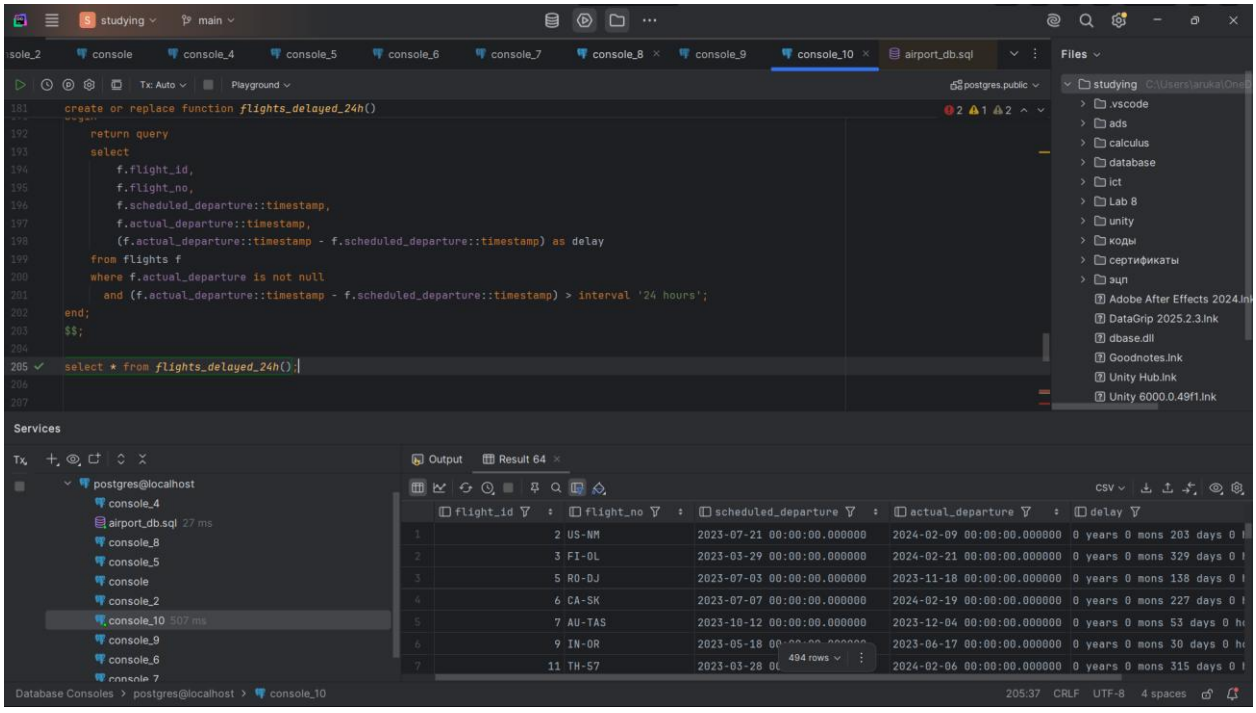

studying
main
console_2
console
console_4
console_5
console_6
console_7
console_8
console_9
console_10
airport_db.sql
Files
Tx: Auto
Playground
postgres.public
create or replace procedure upd_flight_status (
in p_status varchar
)
language plpgsql
as $$
begin
update flights
set status = p_status
where flight_no = p_flight_no;
raise notice 'Status updated for flight %', p_flight_no;
end;
$$;
call upd_flight_status(p_flight_no 'Kaz', p_status 'DELAYED');
--3
Services
Output
Result 30
CSV
p_new_flight_id
3334
1 row
postgres@localhost
console_4
airport_db.sql 27 ms
console_8
console_5
console
console_2
console_10 72 ms
console_9
console_6
Database Consoles
postgres@localhost
console_10
47:42
CRLF
UTF-8
4 spaces
.vscode
ads
calculus
database
ict
Lab 8
unity
коды
сертификаты
эцп
Adobe After Effects 2024.lnk
DataGrip 2025.2.3.lnk
dbase.dll
Goodnotes.lnk
Unity Hub.lnk
Unity 6000.0.49f1.lnk

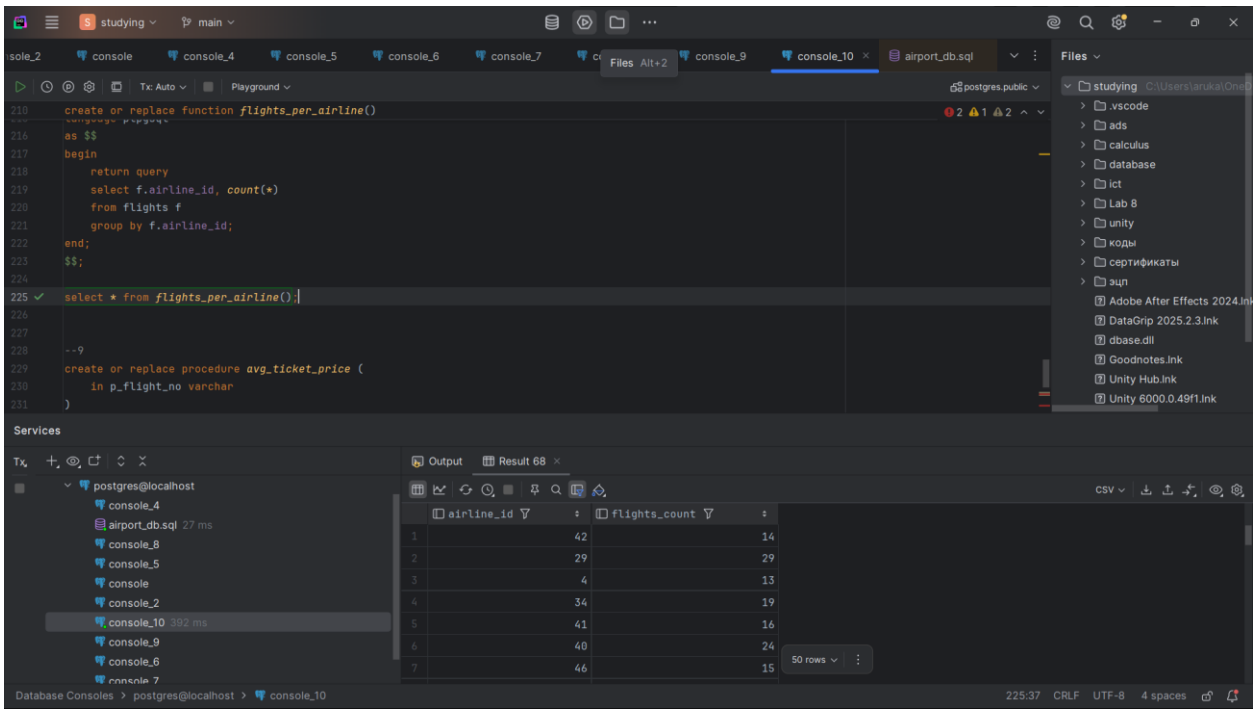

studying
main
console
console_4
console_5
console_6
console_7
console_8
console_9
console_10
airport_db.sql
Files
C:\Users\aruka\AppData\Roaming\JetBrains\DataGrip2025.2\consoles\db\7428f55d-e864-4f96-9819-fa9239e51d62\console_8.sql
create or replace function get_flights_from_airport (
f.actual_departure,
f.status
from flights f
where f.departure_airport_id = p_airport_id;
raise notice 'Returned flights from airport %', p_airport_id;
end;
$$;
select * from get_flights_from_airport(p_airport_id 1);
--4
create or replace function avg_delay_airport (
p_airport_id int
)
ads
calculus
database
ict
Lab 8
unity
коды
сертификаты
эцп
Adobe After Effects 2024.lnk
DataGrip 2025.2.3.lnk
dbase.dll
Goodnotes.lnk
Unity Hub.lnk
Unity 6000.0.49f1.lnk
Services
postgres@localhost
console_4
airport_db.sql 27 ms
console_8
console_5
console
console_2
console_10 509 ms
console_9
console_6
Output
Result 49
CSV
flight_id
flight_no
scheduled_departure
scheduled_arrival
departure_airport_id
994 US-IN 2023-05-06 2024-03-11
2001 AB-123 2024-05-01 2024-05-02
2002 AB-123 2024-05-01 2024-05-02
51 rows
Database Consoles
postgres@localhost
console_10
88:28
CRLF
UTF-8
4 spaces


studying
main
console_2
console
console_4
console_5
console_6
console_7
console_8
console_9
console_10
airport_db.sql
Files
Tx: Auto
Playground
postgres.public
create or replace function avg_delay_airport (
$$;
select avg_delay_airport(p_airport_id 1);
--5
create or replace procedure list_passengers_for_flight (
in p_flight_no varchar
)
language plpgsql
as $$
begin
return query
select p.passenger_id, p.first_name, p.last_name
from passengers p
join booking b on p.passenger_id = b.passenger_id
join booking_flight bf 1<->1..n: on b.booking_id = bf.booking_id
Services
postgres@localhost
console_4
airport_db.sql 27 ms
console_8
console_5
console
console_2
console_10 447 ms
console_9
console_6
Output
avg_delay_airport(1):interval
avg_delay_airport
0 years 0 mons 0 days 0 hours 0 mins 6.614035 secs
1 row
Database Consoles
postgres@localhost
console_10
111:29
CRLF
UTF-8
4 spaces


studying
main
console_2
console
console_4
console_5
console_6
console_7
console_8
console_9
console_10
airport_db.sql
Files
Tx: Auto
Playground
postgres.public
create or replace function list_passengers_for_flight (
p.last_name
from passengers p
join booking b
on p.passenger_id = b.passenger_id
join booking_flight bf
1<->1..n: on b.booking_id = bf.booking_id
where bf.flight_id = p_flight_id;
raise notice 'Returned passengers for flight %', p_flight_id;
end;
$$;
select * from list_passengers_for_flight(p_flight_id 1);
--6
Services
postgres@localhost
console_4
airport_db.sql 27 ms
console_8
console_5
console
console_2
console_10 453 ms
console_9
console_6
Output
Result 58
passenger_id
first_name
last_name
1 32 Elfrida Schukert
2 32 Elfrida Schukert
2 rows
Database Consoles
postgres@localhost
console_10
144:45
CRLF
UTF-8
4 spaces


studying
main
console_2
console
console_4
console_5
console_6
console_7
console_8
console_9
console_10
airport_db.sql
Files
Tx: Auto
Playground
postgres.public
create or replace function passenger_with_most_flights()
from passengers p
join booking b
on p.passenger_id = b.passenger_id
join booking_flight bf
1<->1..n: on b.booking_id = bf.booking_id
group by p.passenger_id, p.first_name, p.last_name
order by flights_count desc
limit 1;
end;
$$;
select * from passenger_with_most_flights();
--7
create or replace procedure flights_delayed_24h ()
Services
postgres@localhost
console_4
airport_db.sql 27 ms
console_8
console_5
console
console_2
console_10 482 ms
console_9
console_6
Output
Result 62
CSV
passenger_id
first_name
last_name
flights_count
1
21
Marillin
Jewess
34
1 row
Database Consoles
postgres@localhost
console_10
176:45
CRLF
UTF-8
4 spaces


studying
main
console_2
console
console_4
console_5
console_6
console_7
console_8
console_9
console_10
airport_db.sql
Files
Tx: Auto
Playground
postgres.public
create or replace function flights_delayed_24h()
return query
select
f.flight_id,
f.flight_no,
f.scheduled_departure::timestamp,
f.actual_departure::timestamp,
(f.actual_departure::timestamp - f.scheduled_departure::timestamp) as delay
from flights f
where f.actual_departure is not null
and (f.actual_departure::timestamp - f.scheduled_departure::timestamp) > interval '24 hours';
end;
$$;
select * from flights_delayed_24h();
Services
postgres@localhost
console_4
airport_db.sql 27 ms
console_8
console_5
console
console_2
console_10 507 ms
console_9
console_6
Output
Result 64
CSV
flight_id
flight_no
scheduled_departure
actual_departure
delay
2 US-NM 2023-07-21 00:00:00.000000 2024-02-09 00:00:00.000000 0 years 0 mons 203 days 0
3 FI-OL 2023-03-29 00:00:00.000000 2024-02-21 00:00:00.000000 0 years 0 mons 329 days 0
5 RO-DJ 2023-07-03 00:00:00.000000 2023-11-18 00:00:00.000000 0 years 0 mons 138 days 0
6 CA-SK 2023-07-07 00:00:00.000000 2024-02-19 00:00:00.000000 0 years 0 mons 227 days 0
7 AU-TAS 2023-10-12 00:00:00.000000 2023-12-04 00:00:00.000000 0 years 0 mons 53 days 0
9 IN-OR 2023-05-18 00 2023-06-17 00:00:00.000000 0 years 0 mons 30 days 0
11 TH-57 2023-03-28 00 2024-02-06 00:00:00.000000 0 years 0 mons 315 days 0
494 rows
Database Consoles
postgres@localhost
console_10
205:37
CRLF
UTF-8
4 spaces


studying
main
console_2
console
console_4
console_5
console_6
console_7
console_9
console_10
airport_db.sql
Files Alt+2
Tx: Auto
Playground
postgres.public
create or replace function flights_per_airline()
as $$
begin
return query
select f.airline_id, count(*)
from flights f
group by f.airline_id;
end;
$$;
select * from flights_per_airline();
--9
create or replace procedure avg_ticket_price (
in p_flight_no varchar
)
Files
studying C:\Users\aruka\One
.vscode
ads
calculus
database
ict
Lab 8
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коды
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эцп
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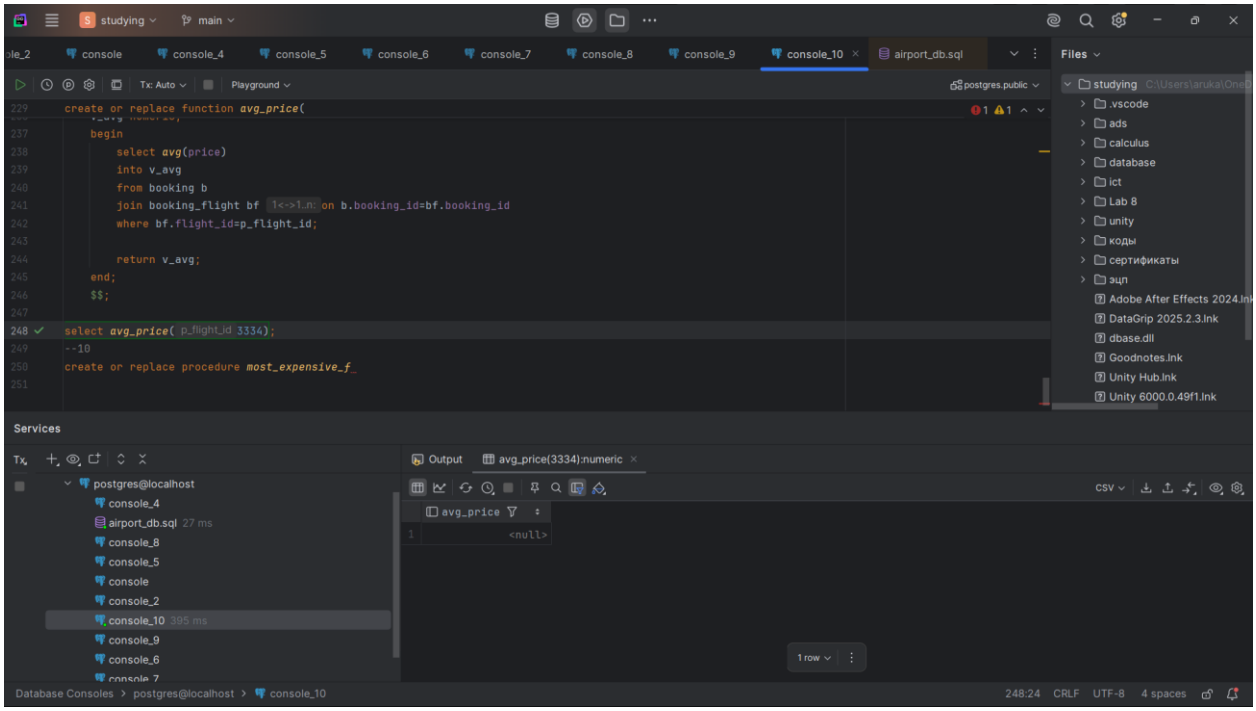
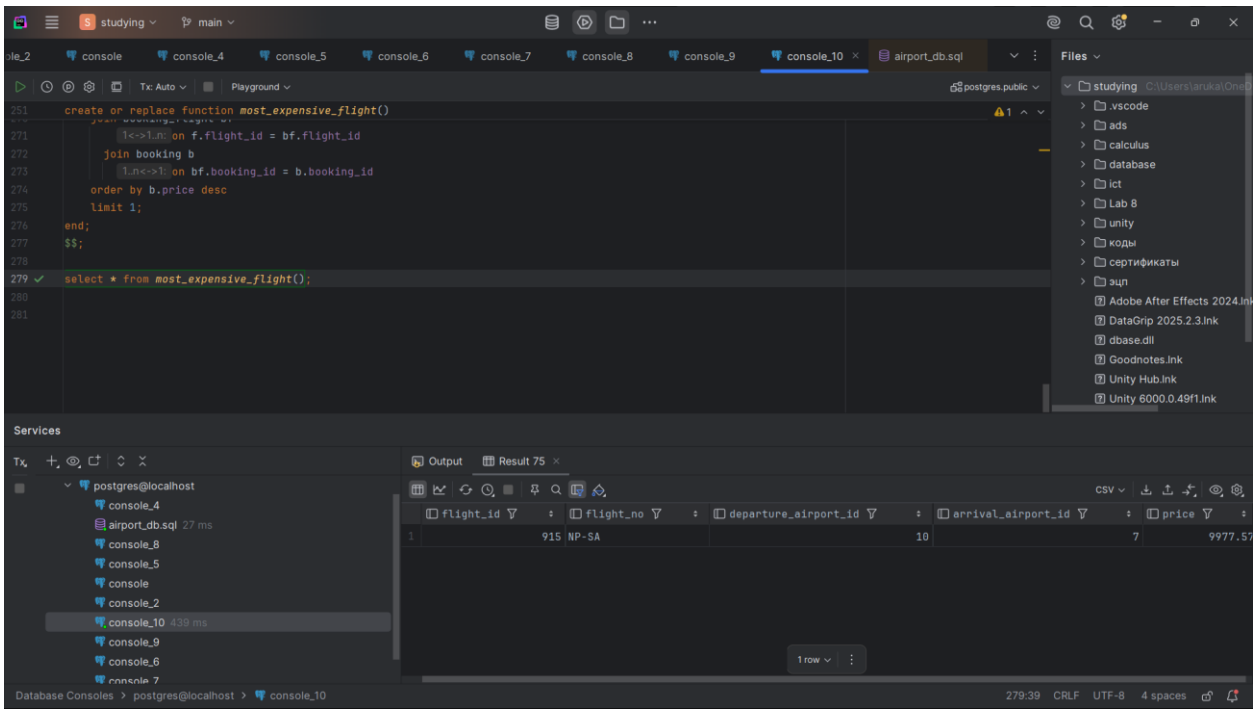
DataGrip 2025.2.3.lnk
dbase.dll
Goodnotes.lnk
Unity Hub.lnk
Unity 6000.0.49f1.lnk
Services
postgres@localhost
console_4
airport_db.sql 27 ms
console_8
console_5
console
console_2
console_10 392 ms
console_9
console_6
Output
Result 68
CSV
airline_id
flights_count
1 42 14
2 29 29
3 4 13
4 34 19
5 41 16
6 40 24
7 46 15
50 rows
Database Consoles > postgres@localhost > console_10
225:37 CRLF UTF-8 4 spaces


studying
main
console
console_4
console_5
console_6
console_7
console_8
console_9
console_10
airport_db.sql
Tx: Auto
Playground
postgres.public
create or replace function avg_price(
begin
select avg(price)
into v_avg
from booking b
join booking_flight bf 1<->1,n: on b.booking_id=bf.booking_id
where bf.flight_id=p_flight_id;
return v_avg;
end;
$$;
select avg_price(p_flight_id 3334);
--10
create or replace procedure most_expensive_f
Files
studying C:\Users\aruka\One
.vscode
ads
calculus
database
ict
Lab 8
unity
коды
сертификаты
эцп
Adobe After Effects 2024.lnk
DataGrip 2025.2.3.lnk
dbase.dll
Goodnotes.lnk
Unity Hub.lnk
Unity 6000.0.49f1.lnk
Services
postgres@localhost
console_4
airport_db.sql 27 ms
console_8
console_5
console
console_2
console_10 395 ms
console_9
console_6
Output
avg_price(3334):numeric
CSV
avg_price
1 <null>
1 row
Database Consoles > postgres@localhost > console_10
248:24 CRLF UTF-8 4 spaces


studying
main
console
console_4
console_5
console_6
console_7
console_8
console_9
console_10
airport_db.sql
Files
Tx: Auto
Playground
postgres.public
create or replace function most_expensive_flight()
join booking b
order by b.price desc
limit 1;
end;
$$;
select * from most_expensive_flight();
studying
.vscode
ads
calculus
database
ict
Lab 8
unity
коды
сертификаты
эцп
Adobe After Effects 2024.lnk
DataGrip 2025.2.3.lnk
dbase.dll
Goodnotes.lnk
Unity Hub.lnk
Unity 6000.0.49f1.lnk
Services
postgres@localhost
console_4
airport_db.sql 27 ms
console_8
console_5
console
console_2
console_10 439 ms
console_9
console_6
Output
Result 75
CSV
flight_id
flight_no
departure_airport_id
arrival_airport_id
price
1
915
NP-SA
10
7
9977.57
1 row
Database Consoles
postgres@localhost
console_10
279:39
CRLF
UTF-8
4 spaces