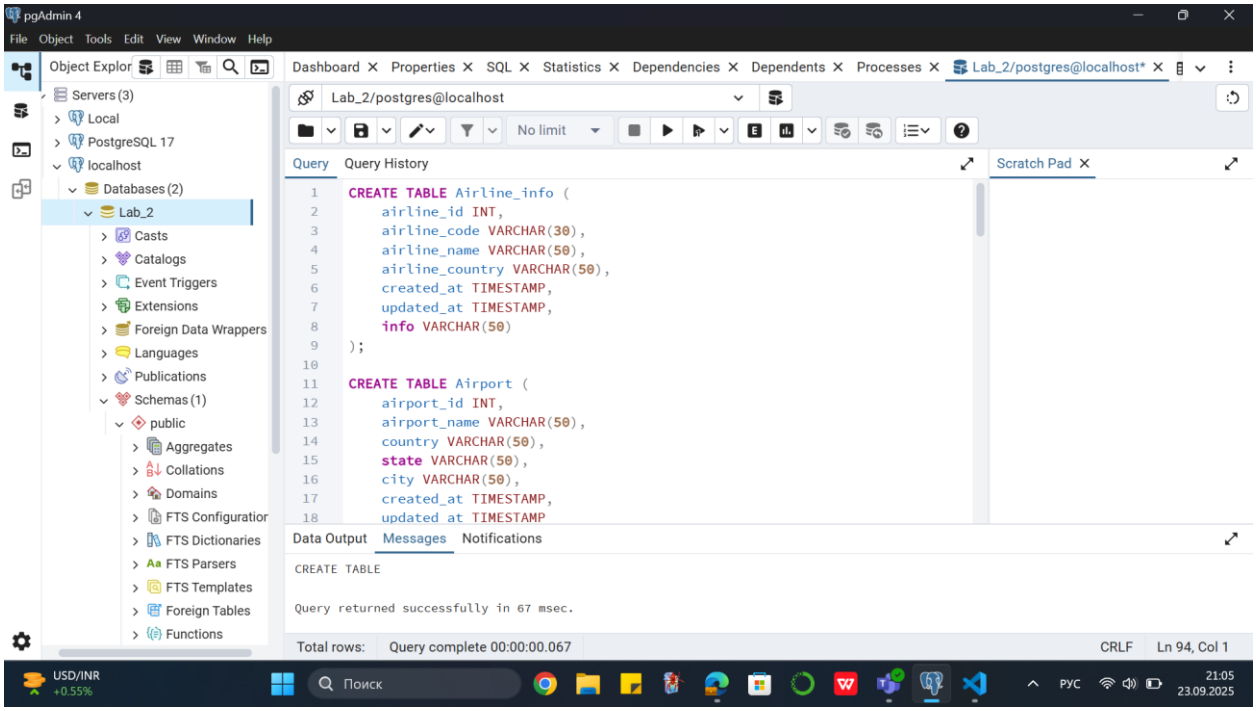
Laboratory work #2

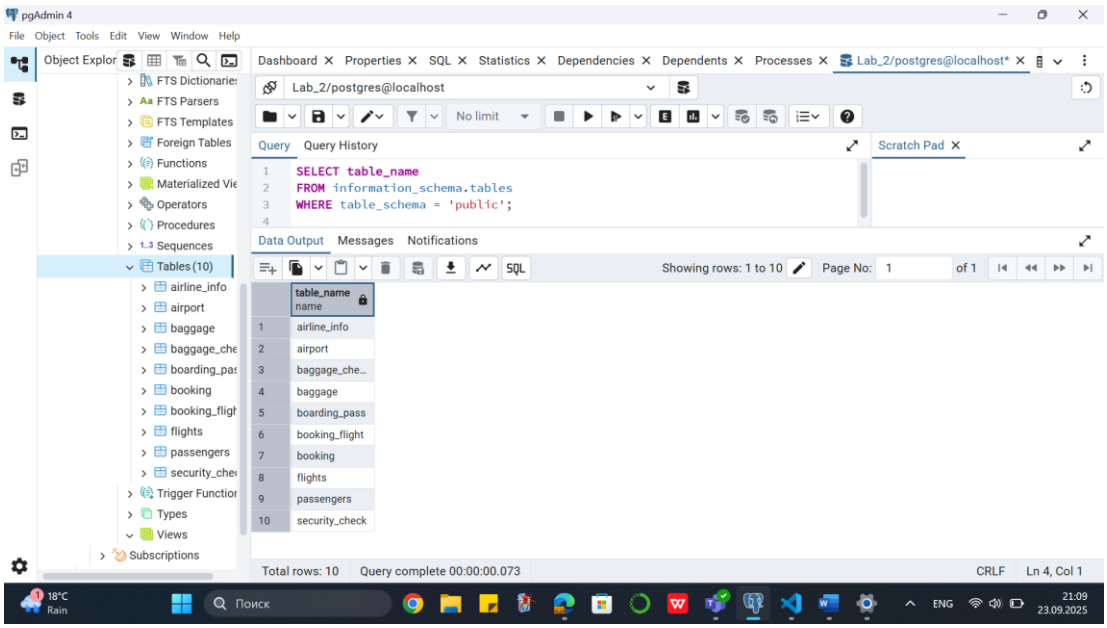
DDL

1. Create following tables with corresponding attributes:

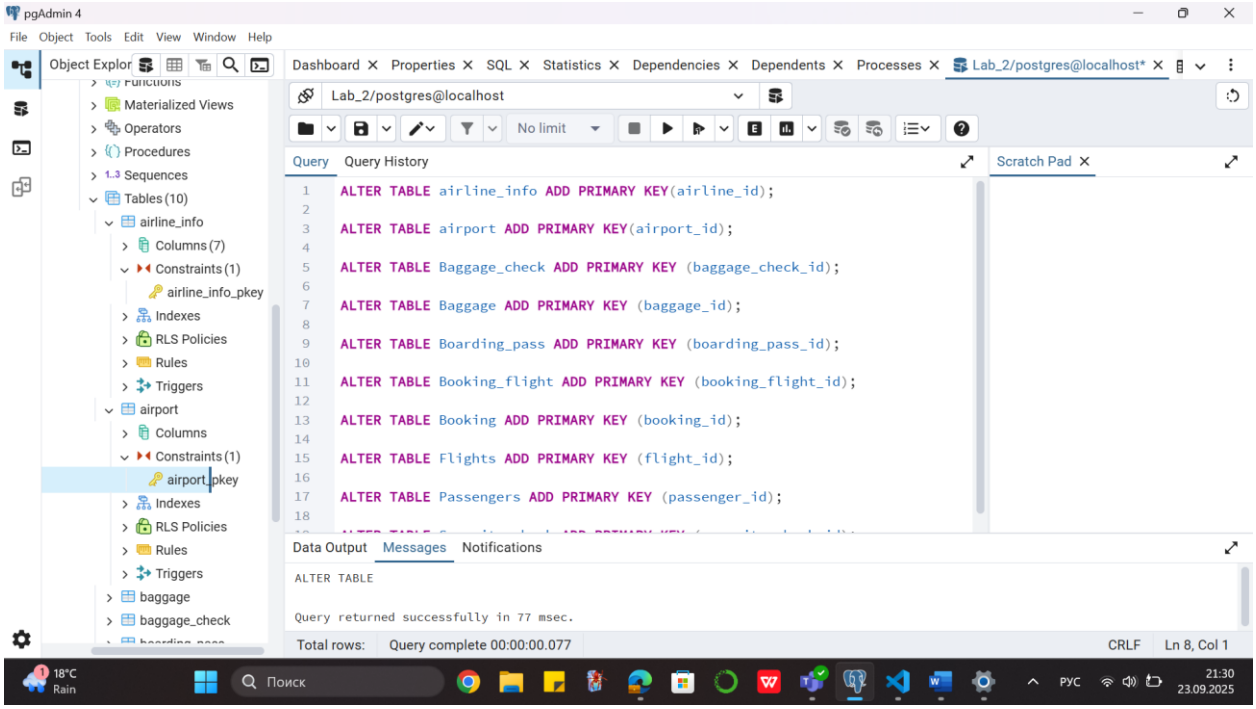
Here is the creation of tables



Here's what they look like



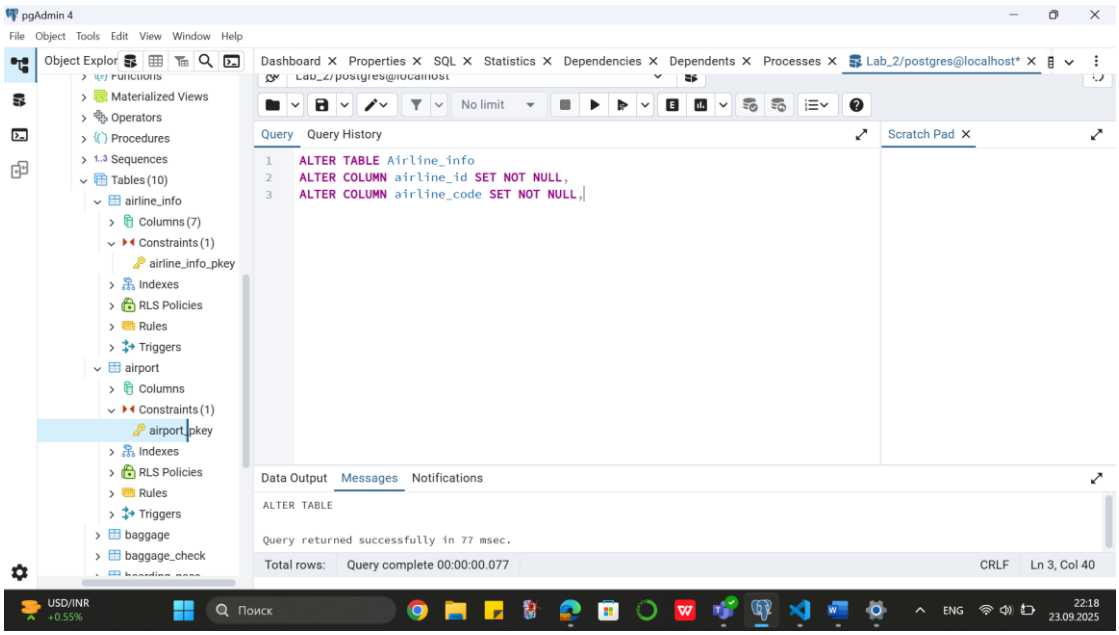
2. Define Primary Keys for each tables;

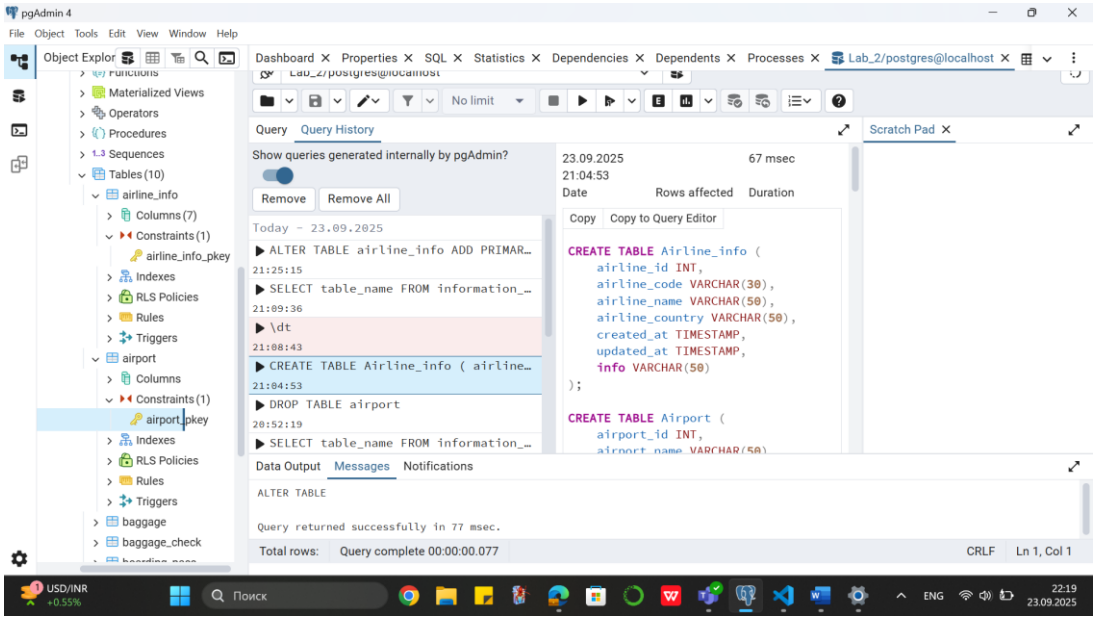


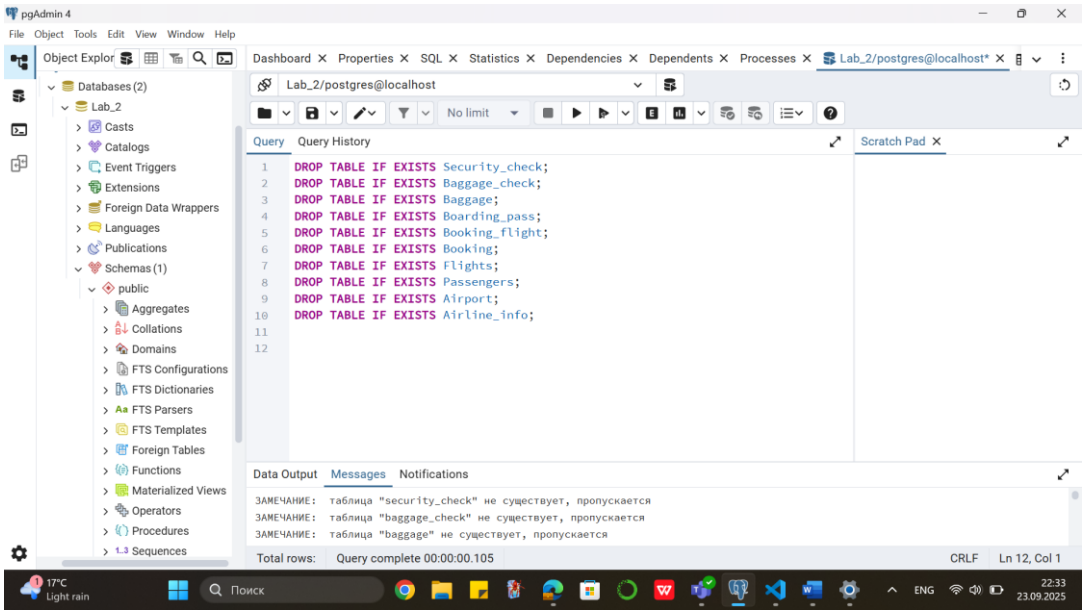
3. Define for all attributes not null constraint;

In this step I realized that it is too slow and hard, and I can do it more simply. So I decided to drop all tables, then go to the query history, copy how I created the tables, and remake all the code.

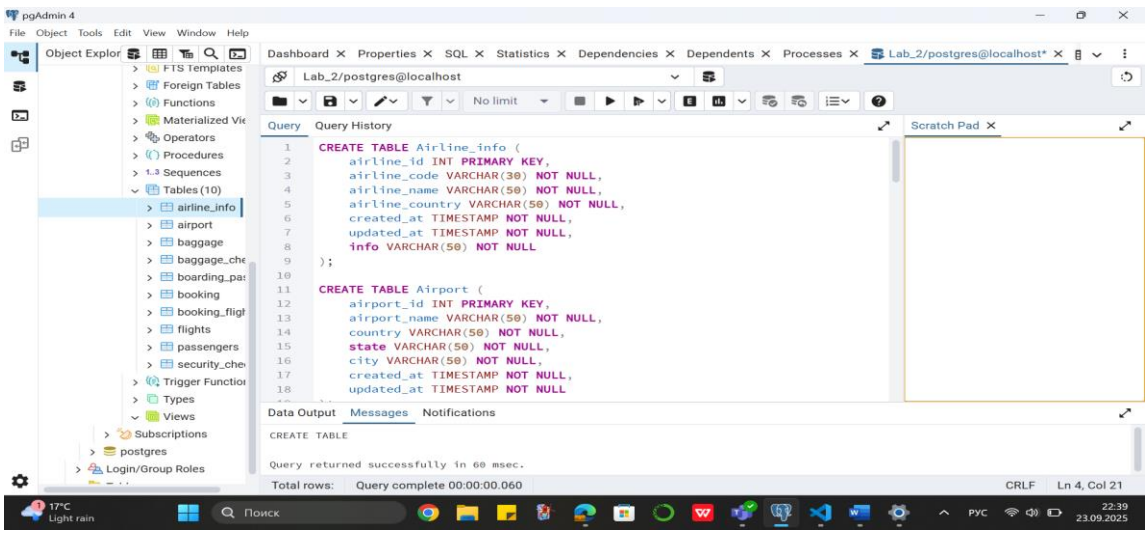
This is difficult variant:







This is how it should have been

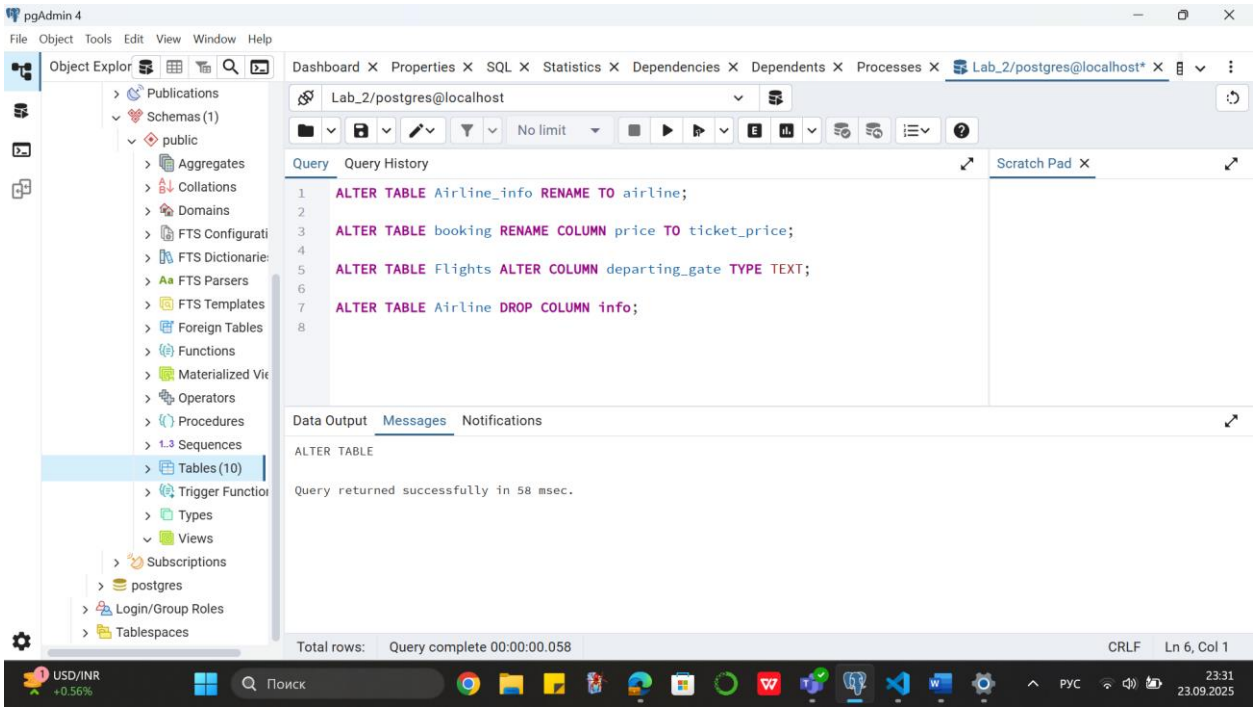


4. Rename airline_info table to airline;

5. Rename column price to ticket_price in booking table;

6. Change data type of departing_gate from varchar(50) to text;

7. Drop the column info(varchar(50)) from the airline table.



9. Make a relationship between following tables:

· Passengers with Secuitiry_check, Booking, Baggage_check by passenger_id;

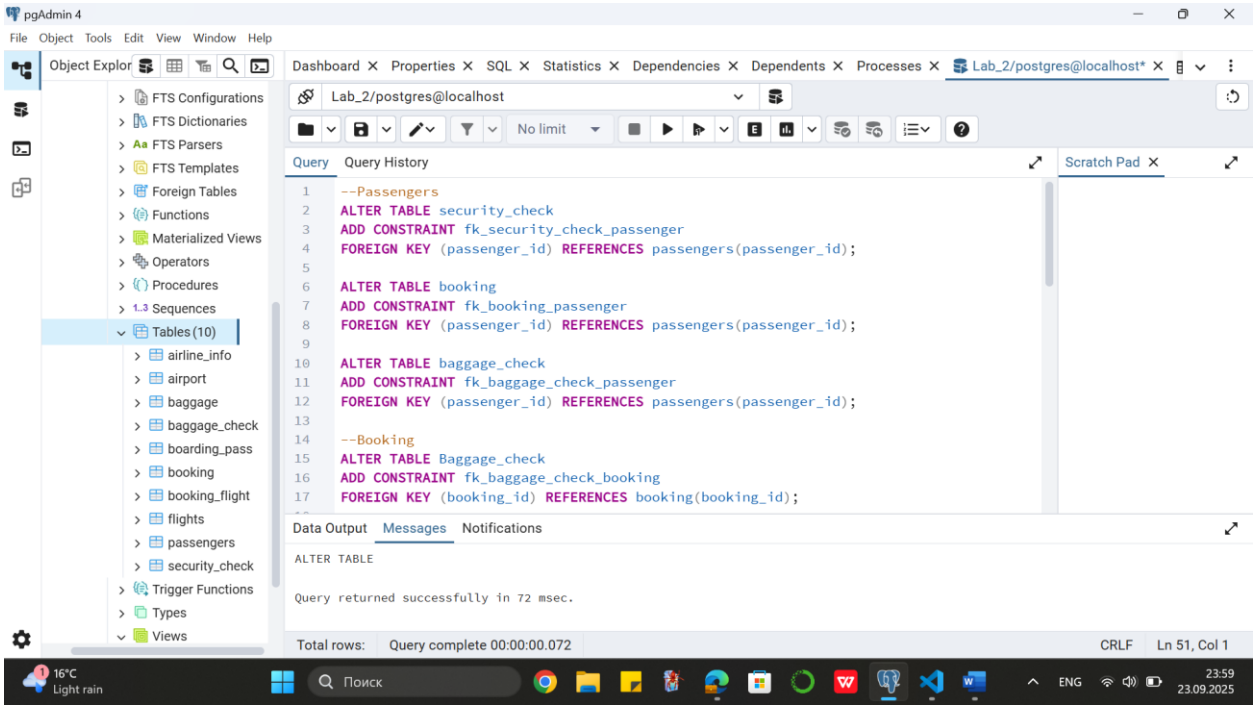
· Booking with Baggage_check, Baggage, Boarding_pass, Booking_flight by booking_id;

· Flights with Booking_flight by flight_id;

· Airport with Flights by departing_airport_id;

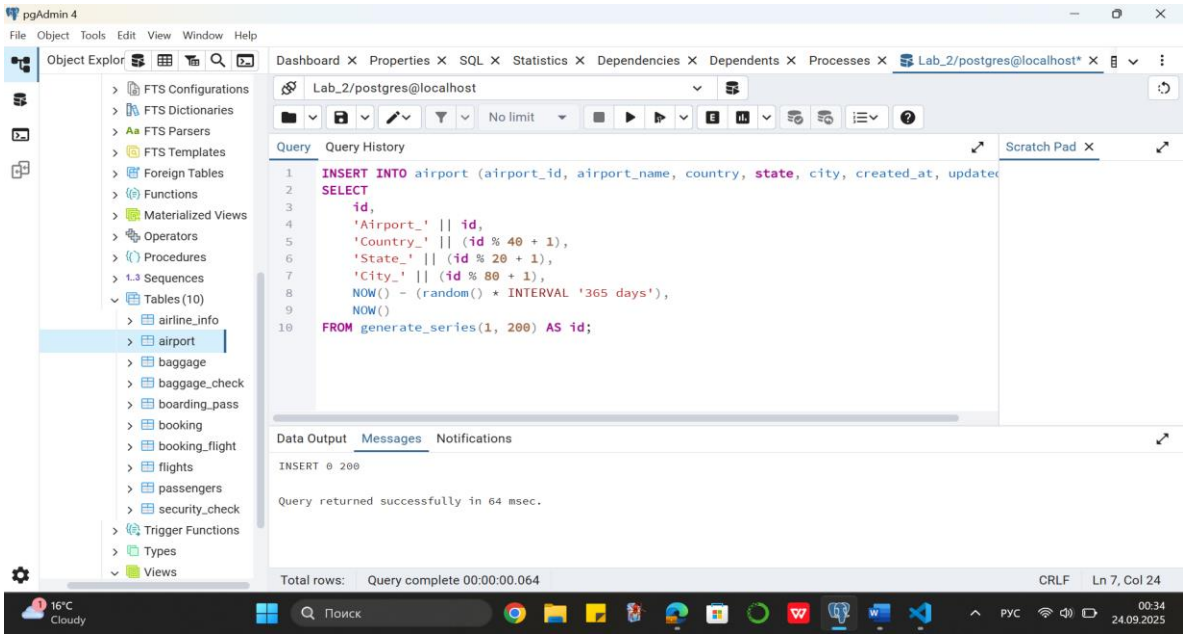
· Airport with Flights by arriving_airport_id;

· Airline with Flights by airline_id;



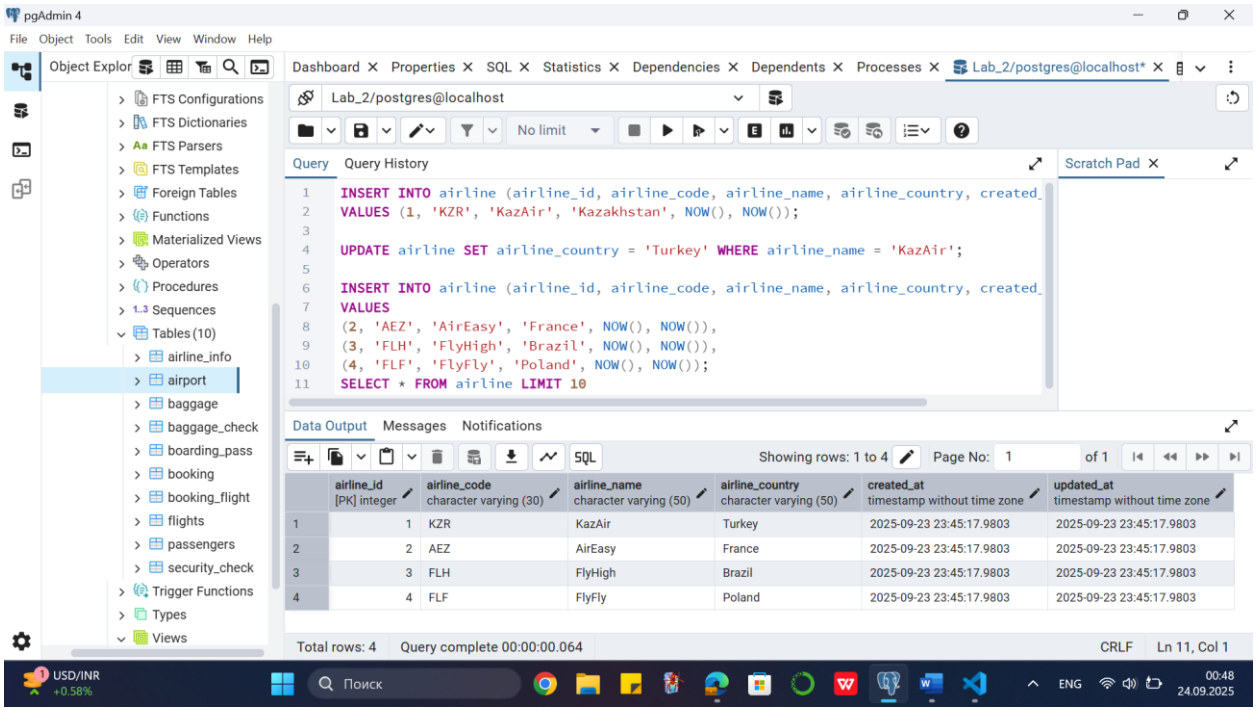
DML

1. Generate and insert 200 random rows in your airport database.



2. Add a new airline named "KazAir" based in "Kazakhstan" to the airline table.
3. Update the airline country "KazAir" to "Turkey".

4. Add three airlines at once: "AirEasy" in "France", "FlyHigh" in "Brazil" and "FlyFly" in "Poland".



5. Delete all flights whose arrival in 2024 year.

6. Increase the price of all tickets in booking table for flights by 15%.

7. Delete all tickets where price is less than 10000.