Kazakh-British Technical University

Databases

Laboratory work №2

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The purpose of the work

Creating tables with keys and relationships;

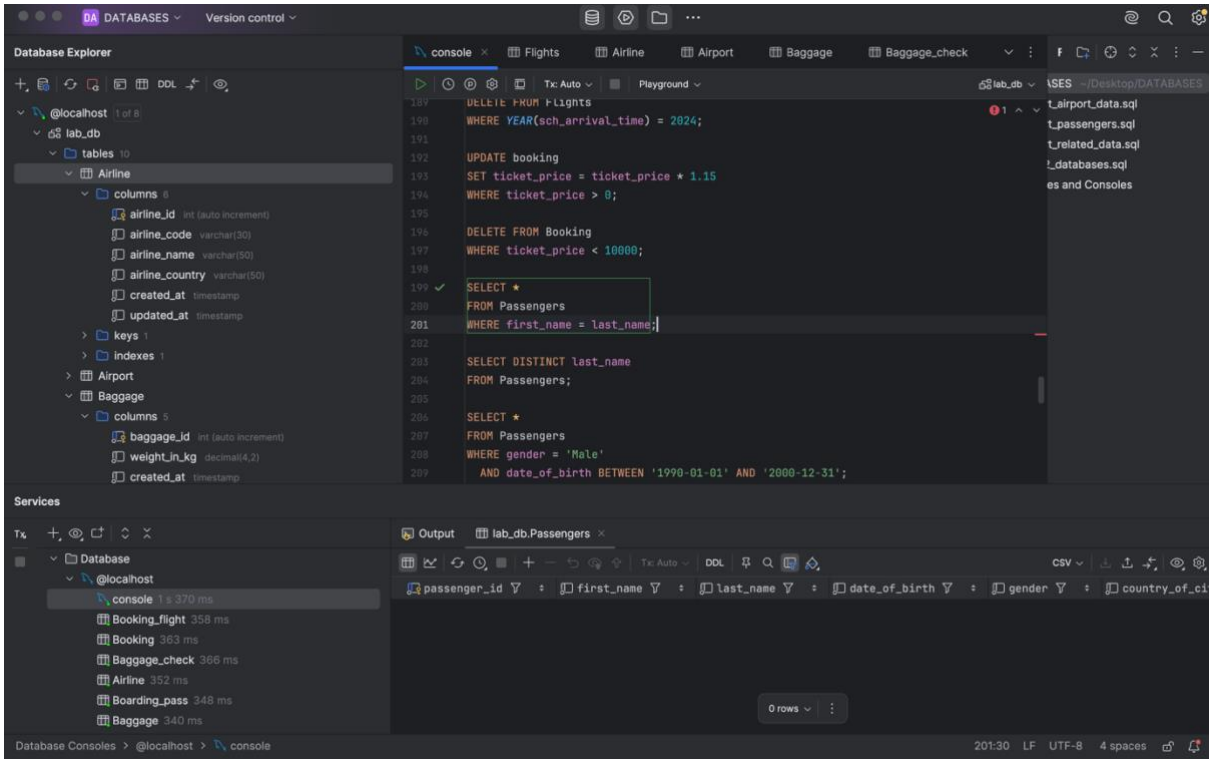
Filling the database with data;

Performing SELECT queries for information analysis;

Development of filtering, sorting, grouping and aggregate functions.

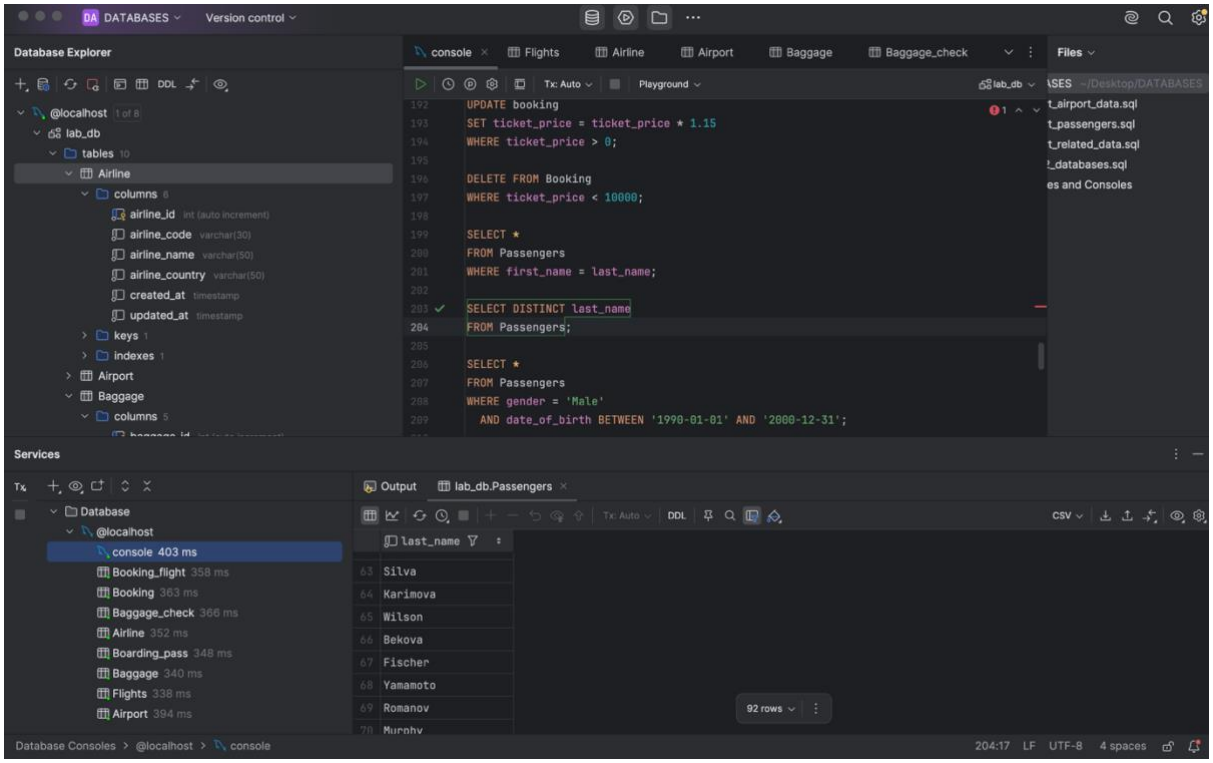
Task 1

All the data of passengers whose last name is same as first name.



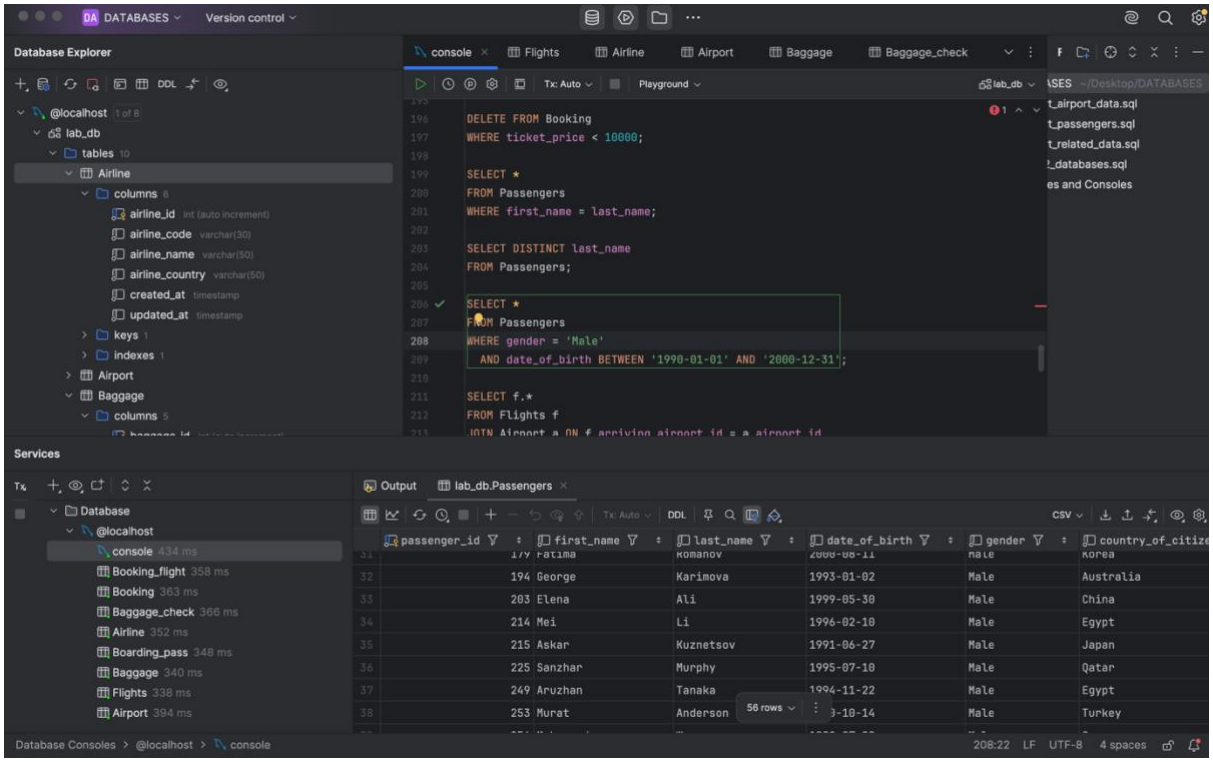
Task 2

The last name of all passangers without duplicates.



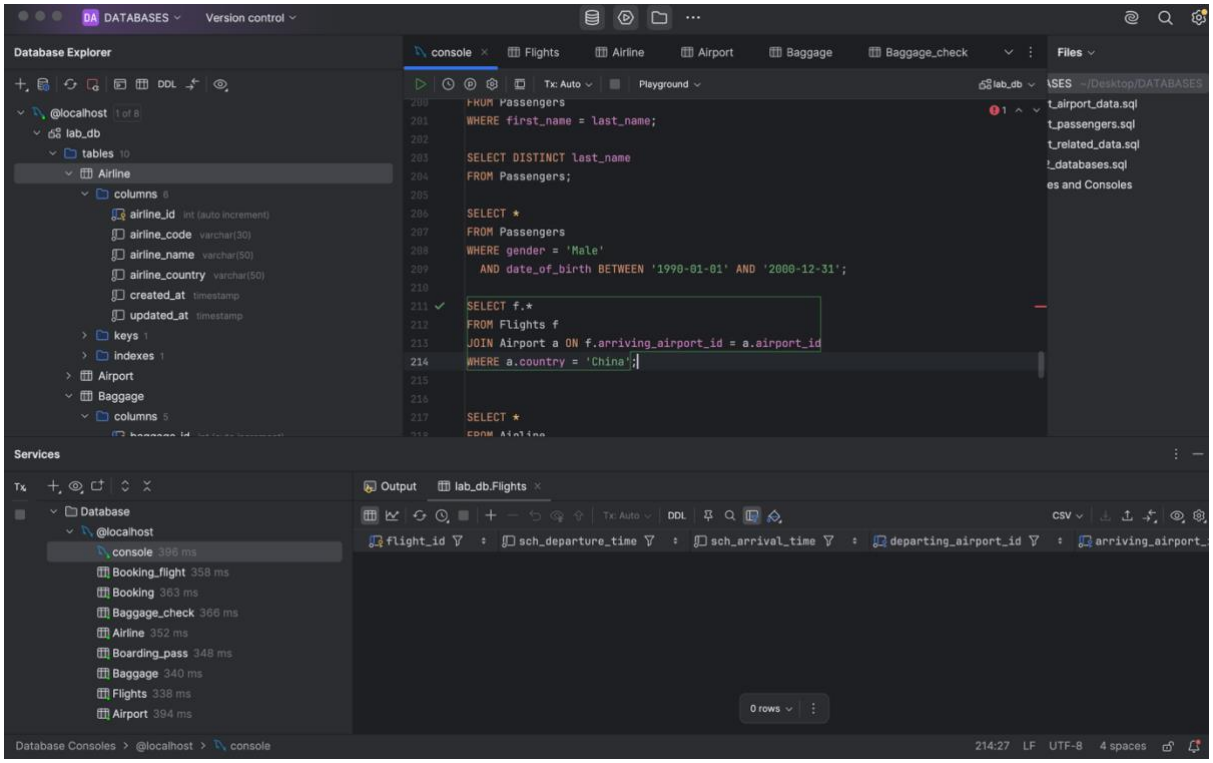
Task 3

All male passengers born between 1990 and 2000.



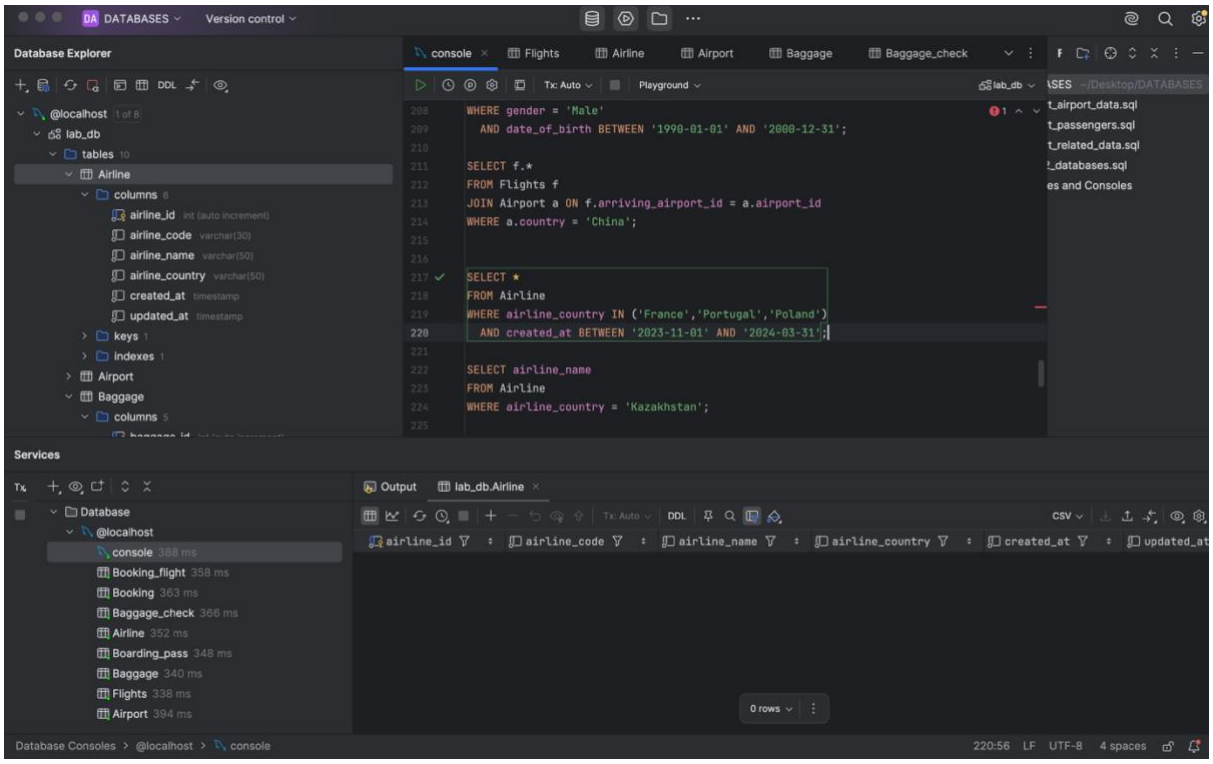
Task 4

Create a query that shows all flights flying to ‘China’.



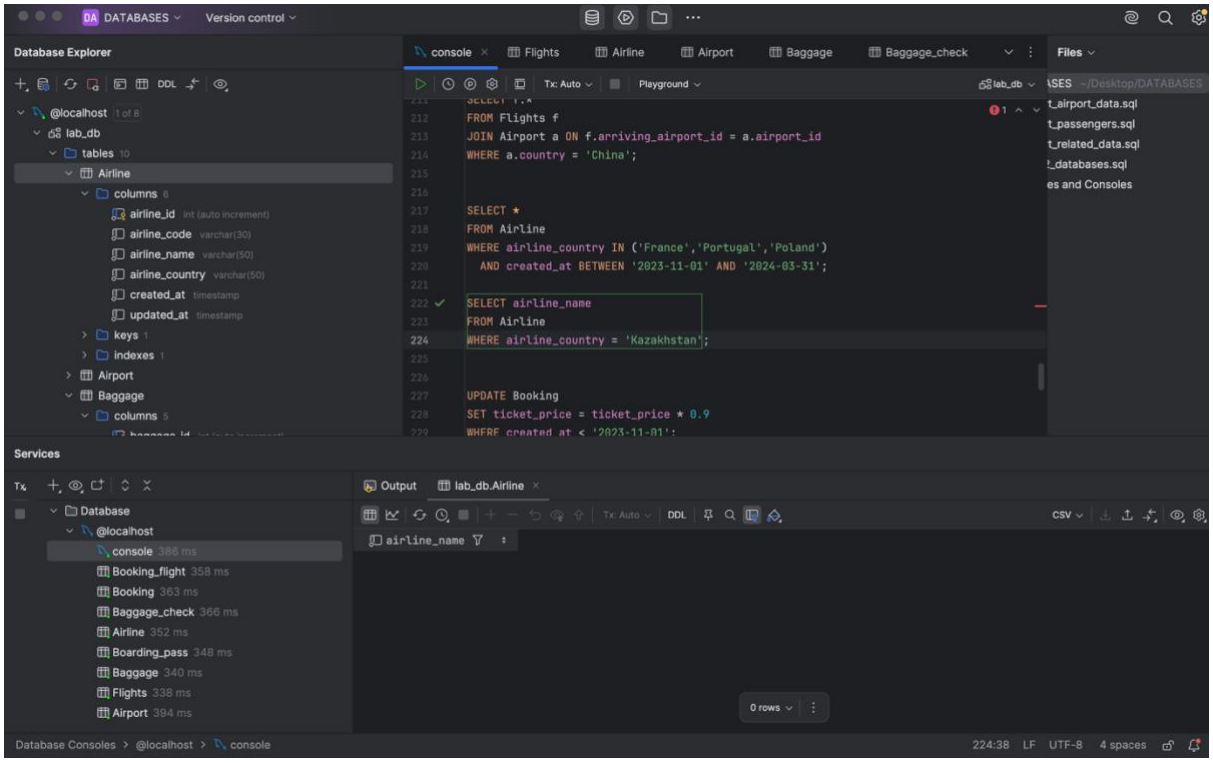
Task 5

Airlines from any of: ('France','Portugal','Poland') created between '2023-11-01' and '2024-03-31'.



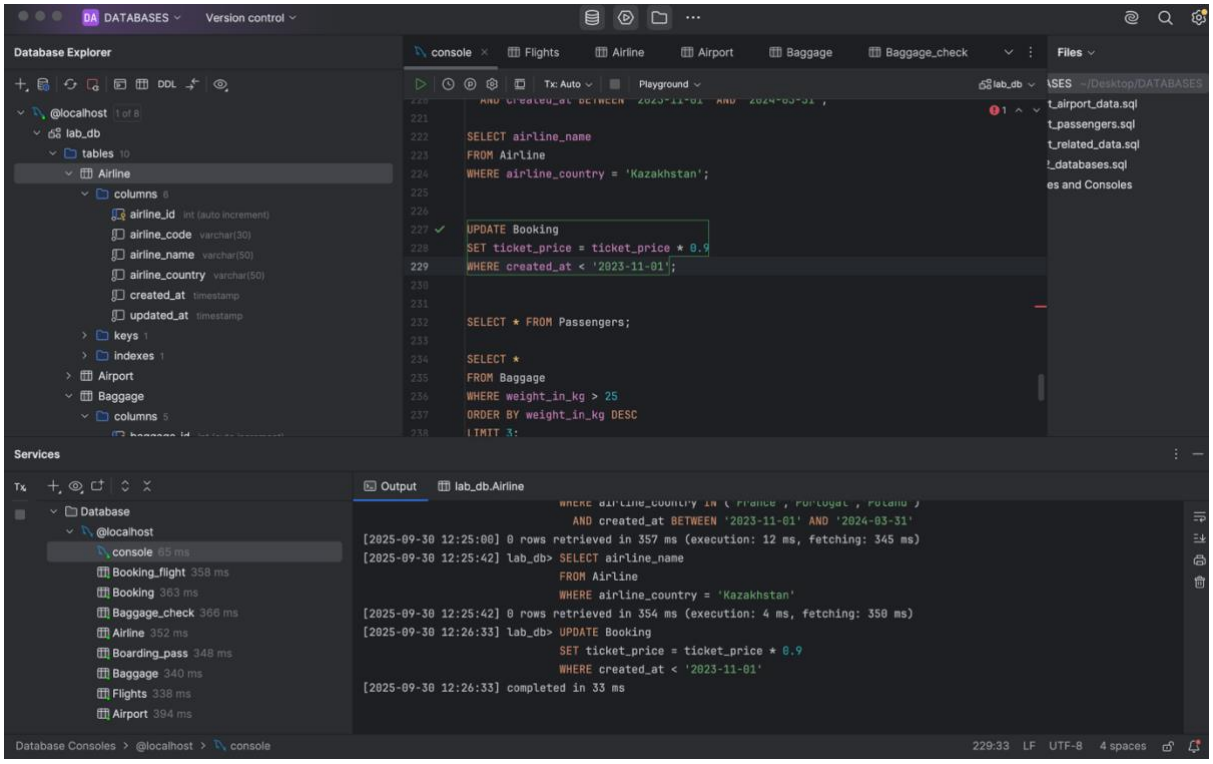
Task 6

All airline names based in Kazakhstan.



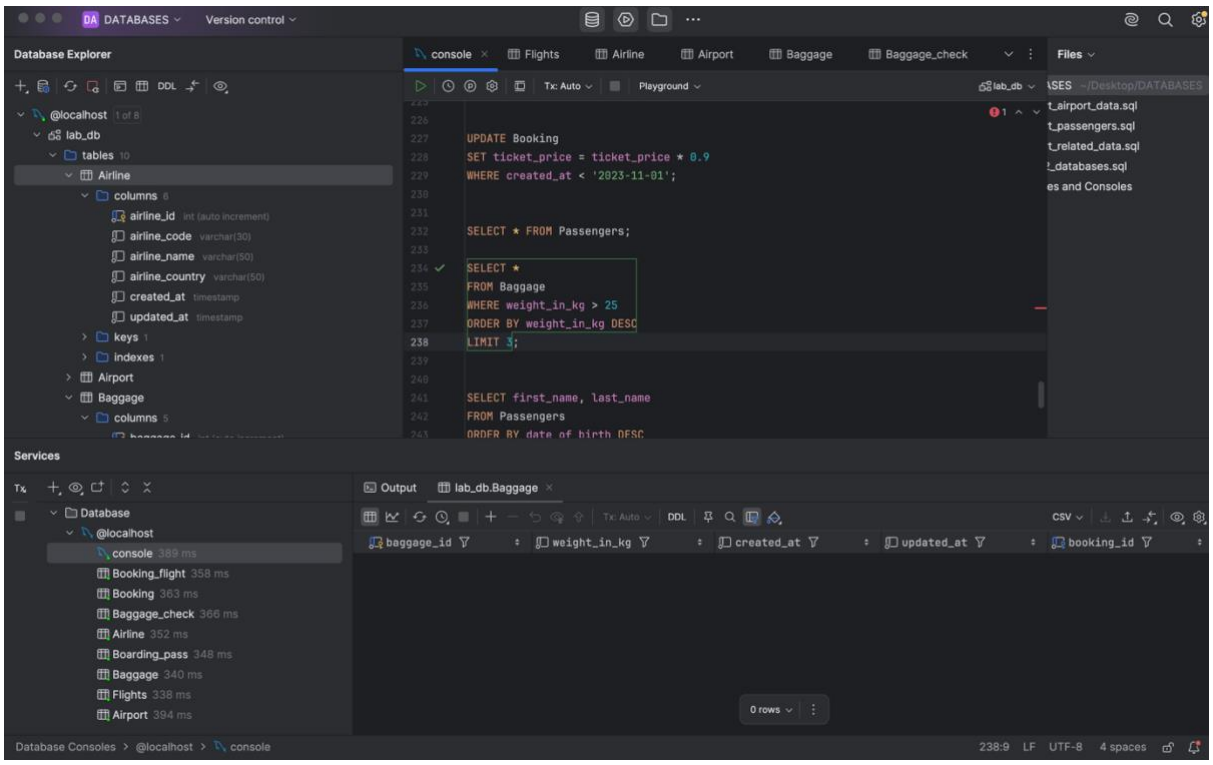
Task 7

Reduce the cost of booking price by 10% created before ’11-01-2023’.



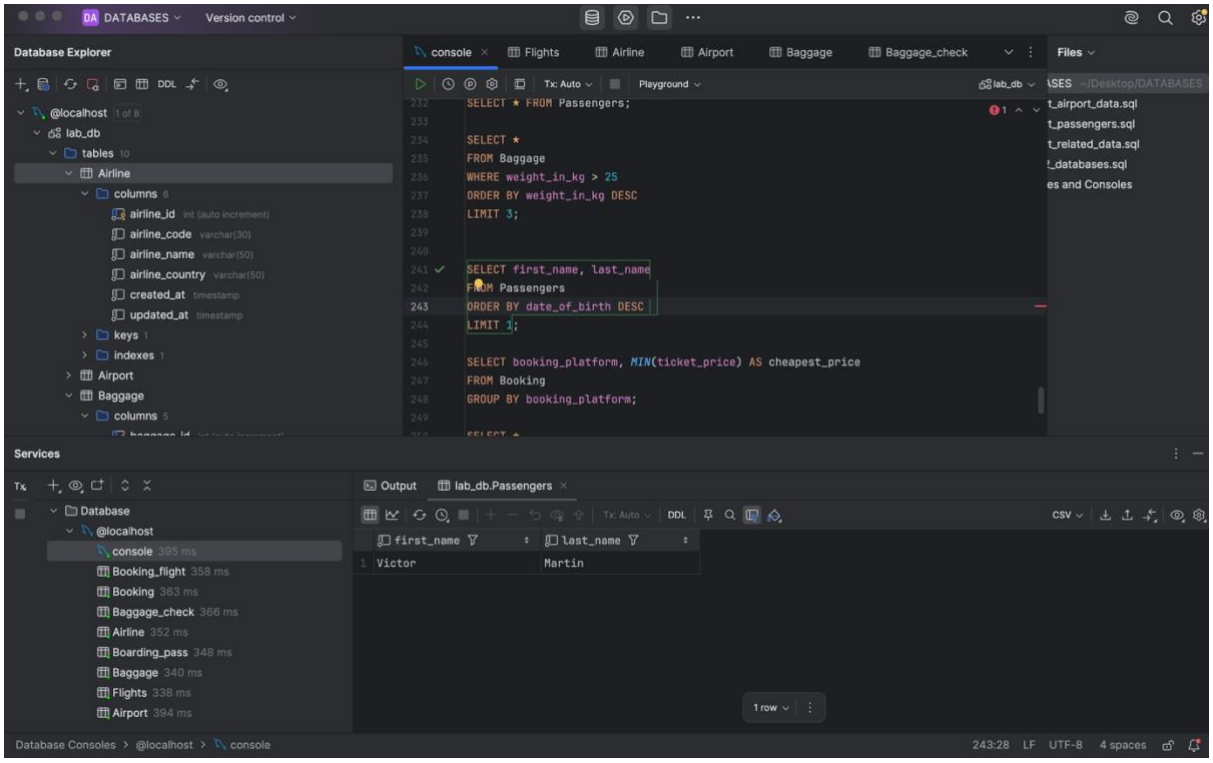
Task 8

Find top3 overweighted baggage with more than 25kg.



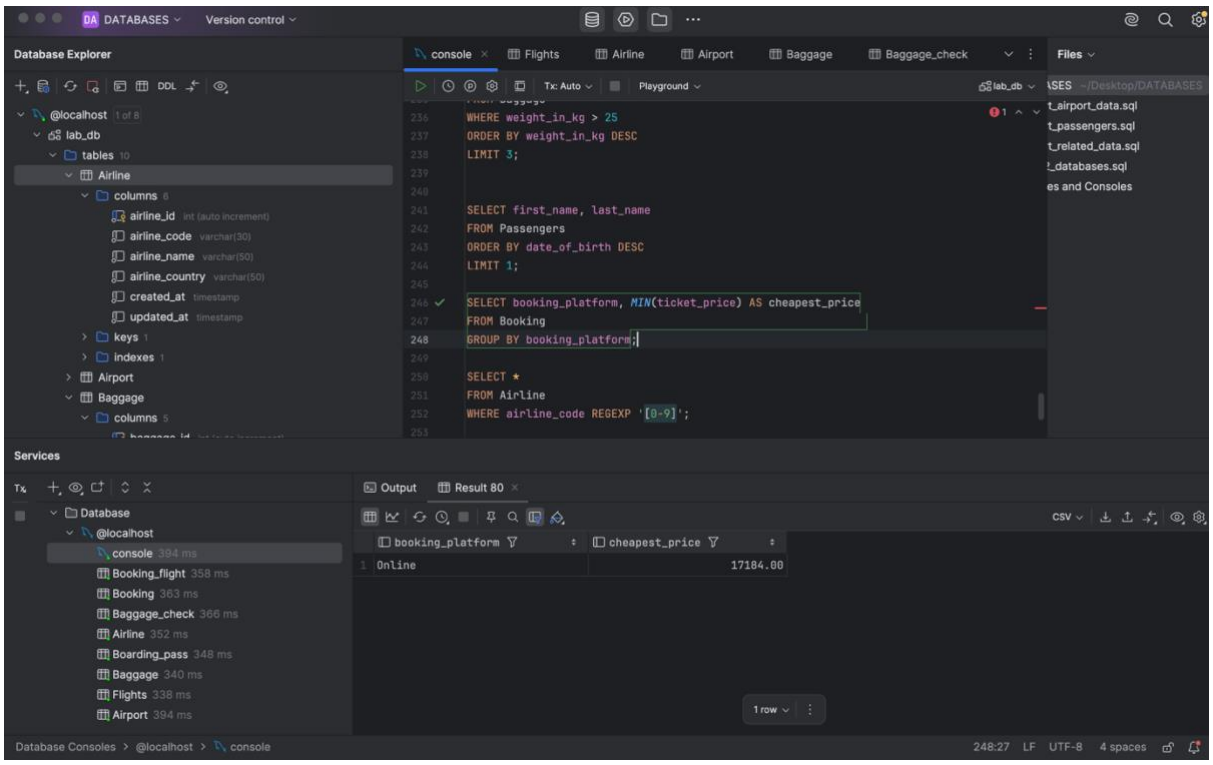
Task 9

Find the youngest passengers' full name.



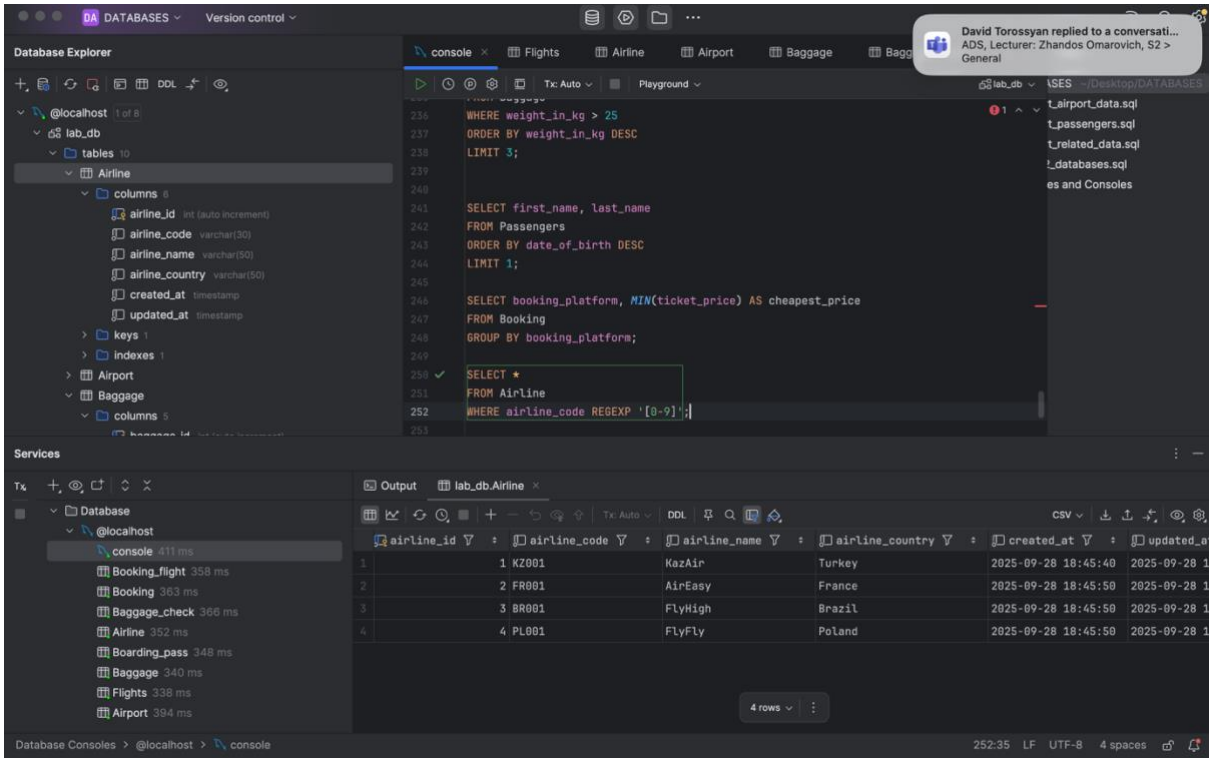
Task 10

Find the cheapest booking price on each booking platform.



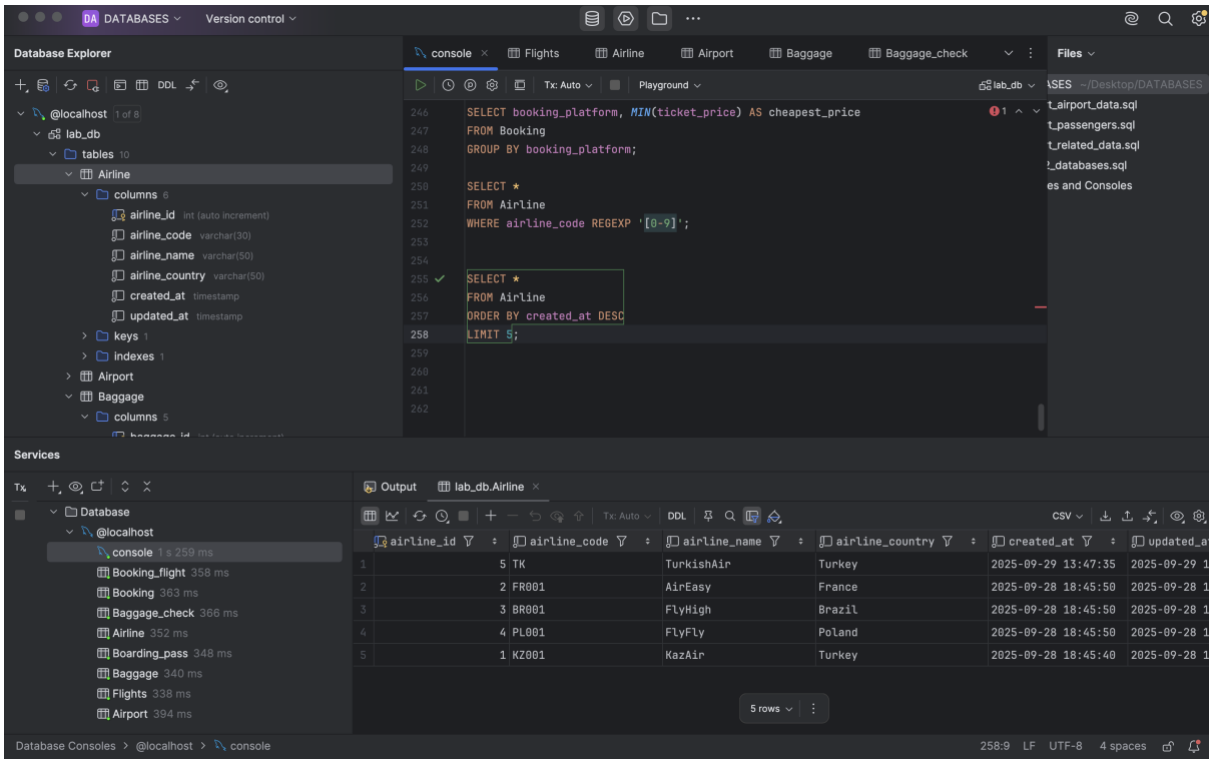
Task 11

Return airlines whose airline_code contains a digit.



Task 12

Baggage checks where update_at is in the same month as created_at but occurs earlier than created_at.



Conclusion

In the course of the work, the Airport database was created and filled in, and the relationships between the tables were configured. Data sampling requests were performed, including filtering by criteria, sorting, grouping, and aggregation functions.