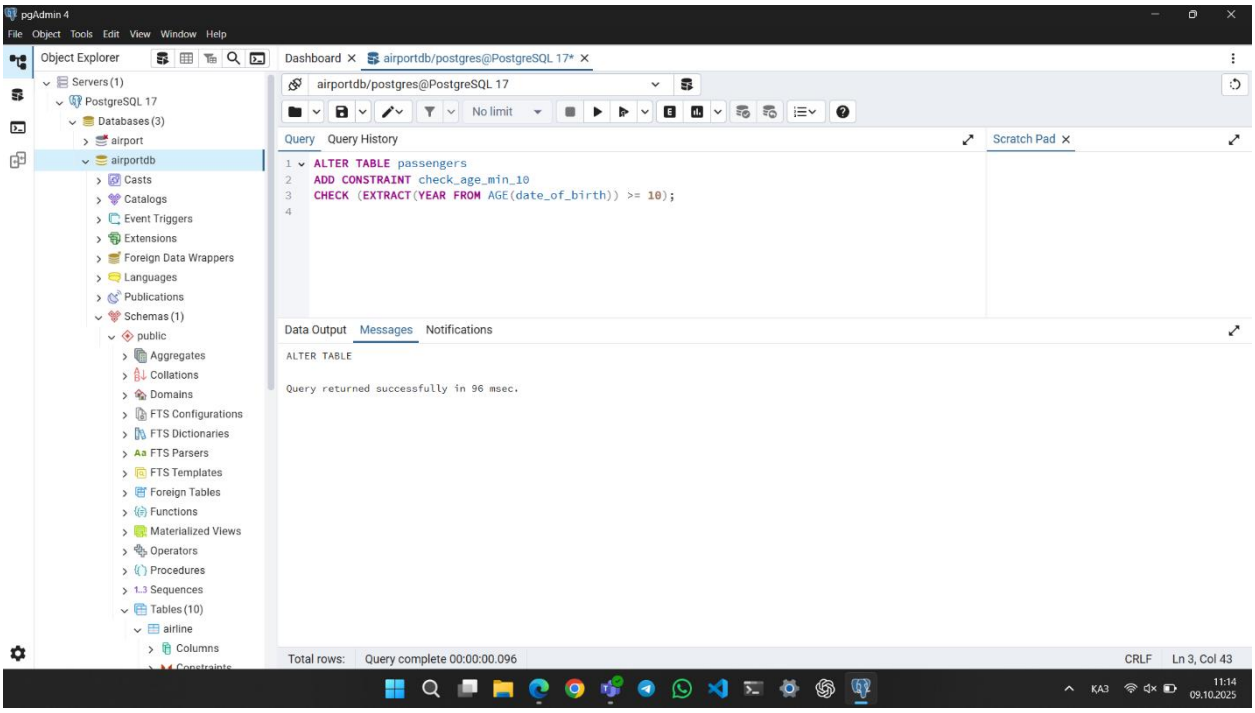
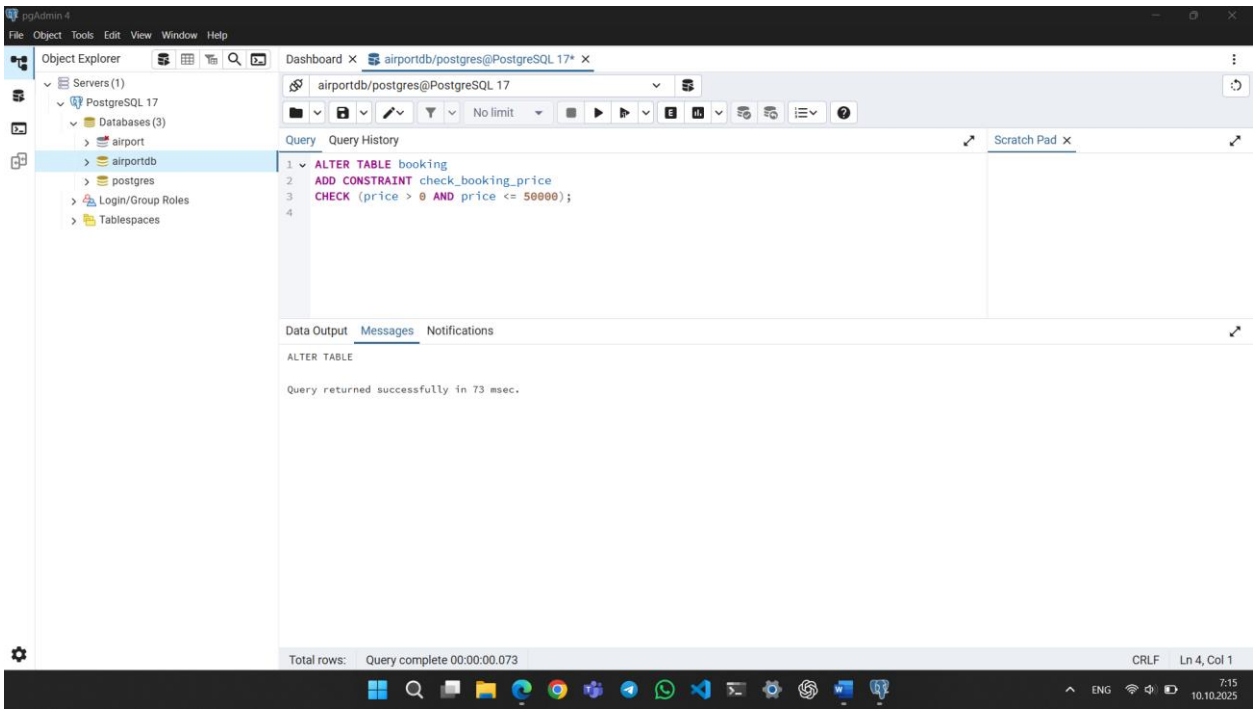
Laboratory work 5

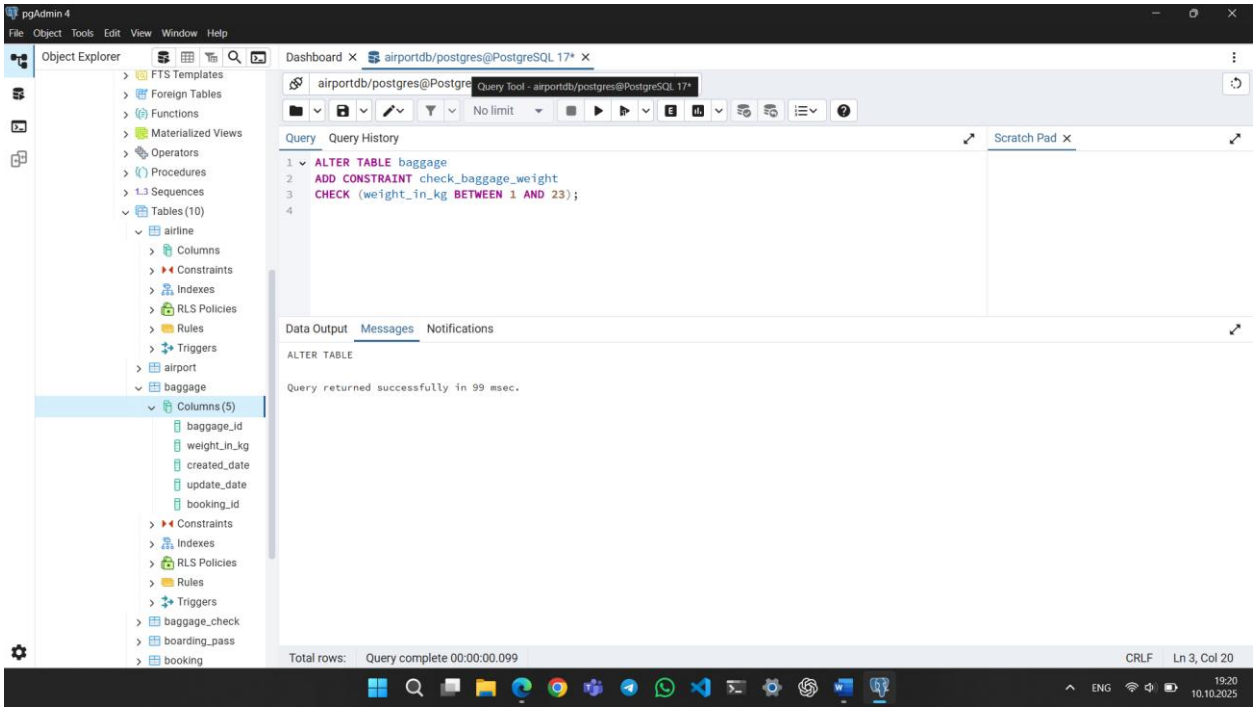
1.Add a check constraint to passenger table to provide that passengers must be at least 10 years old.



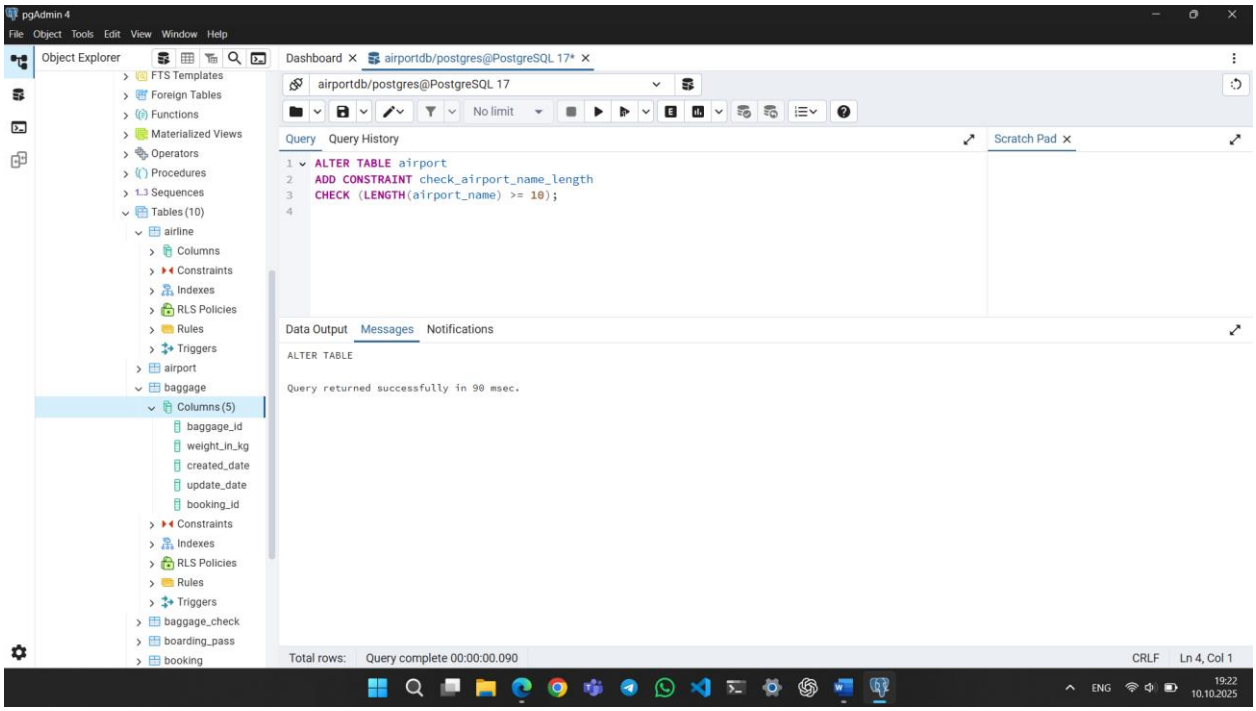
2. Add a check constraint to accept values in booking price not more than 50000tg and less than 0tg.



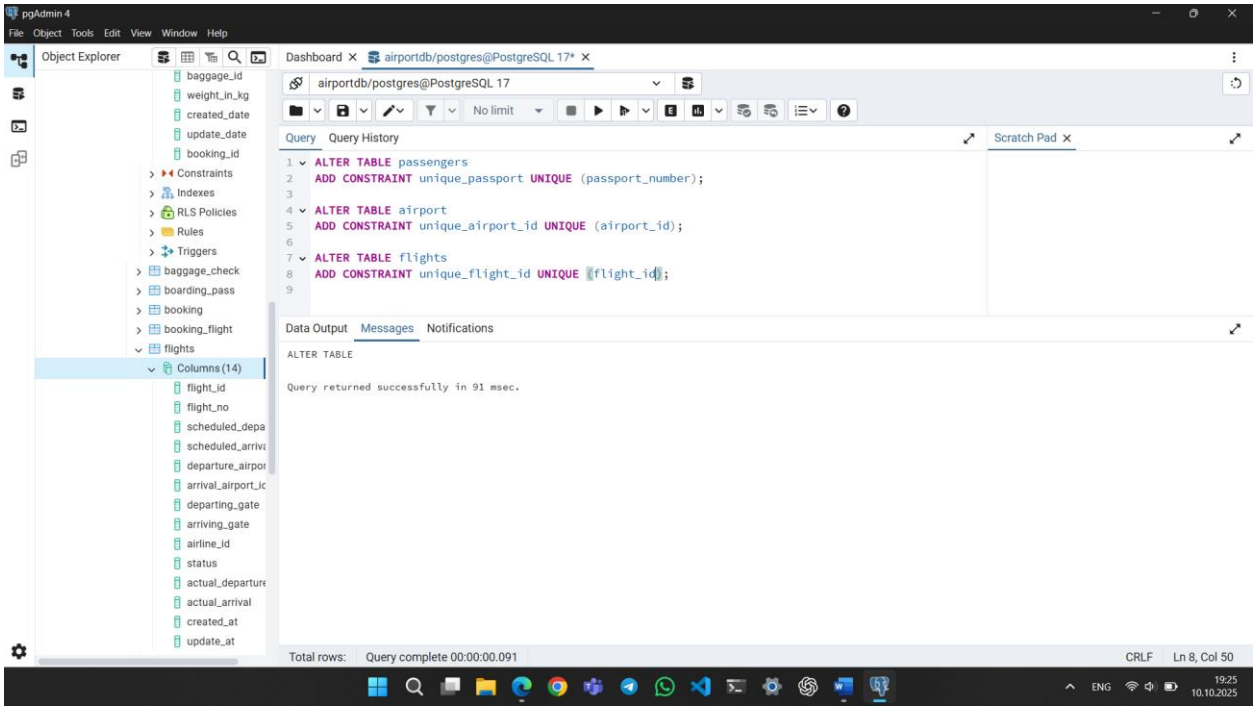
3. Add a check constraint to accept the luggage weight between 1 and 23 kg.



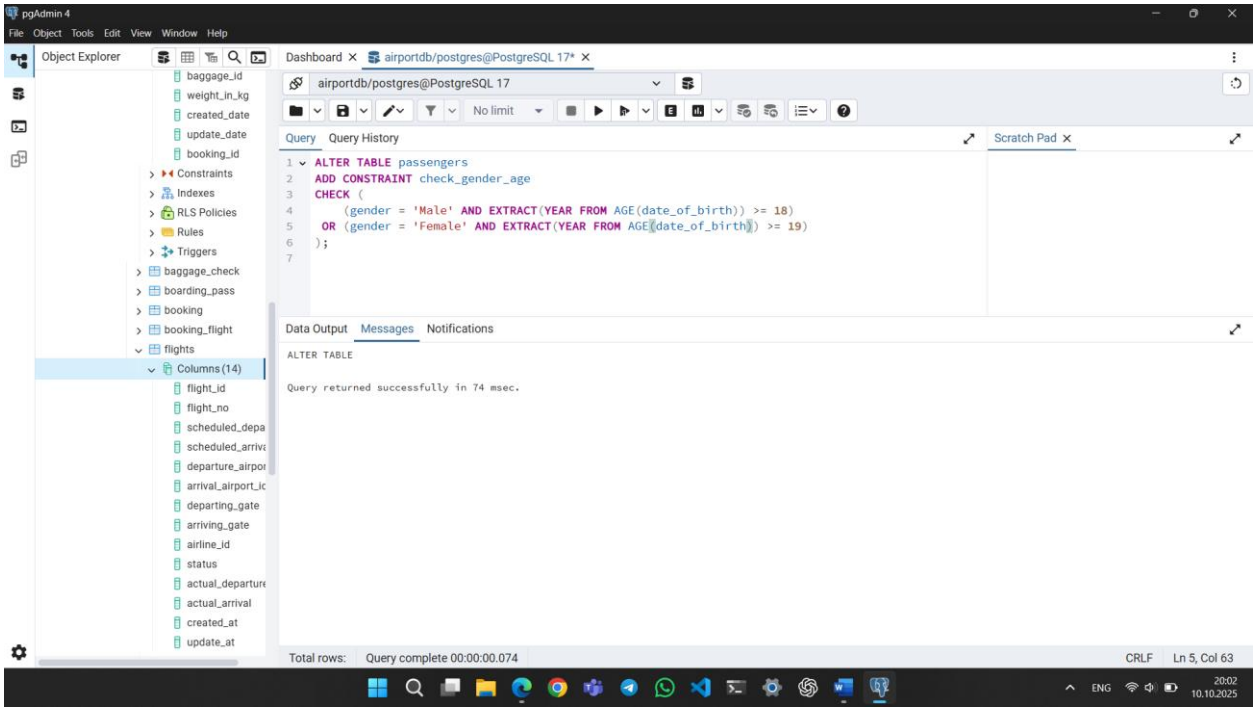
4. Add a check constraint to ensure that all values in airport_name must have at least 10 characters.



5. Add unique constraint to some columns in each table in database.

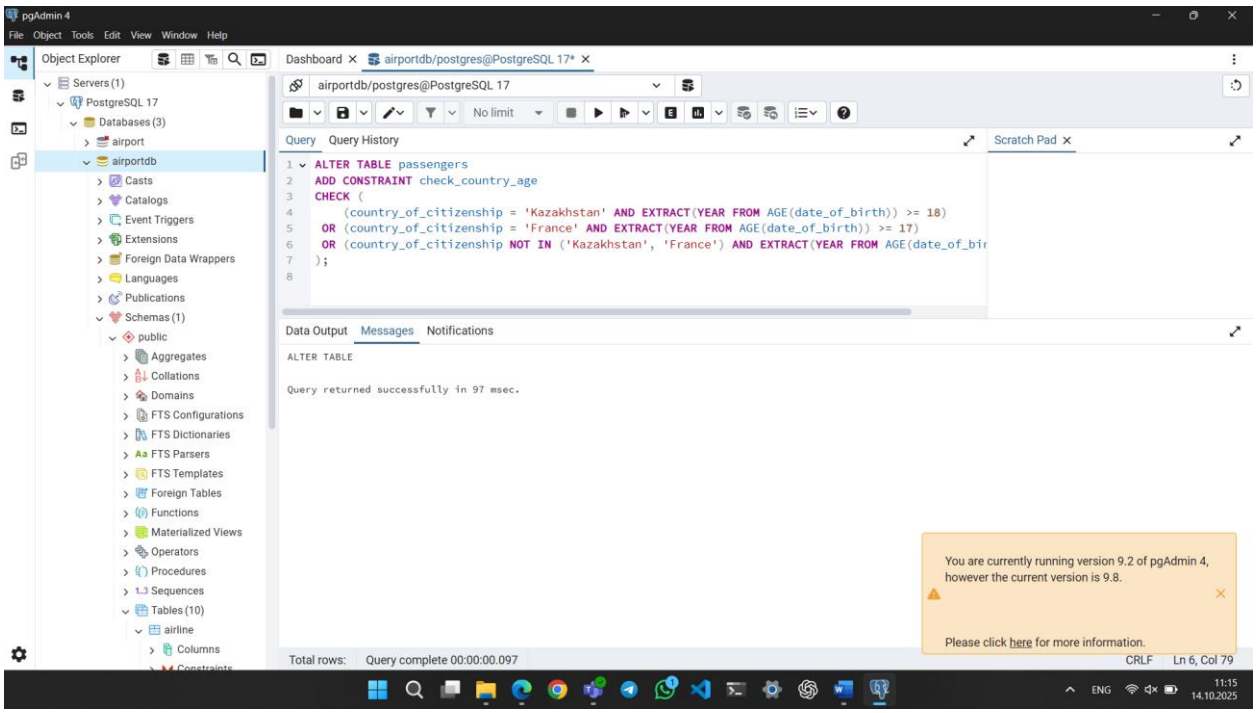


6. Add a check constraint to ensure that male passengers must be at least 18 years old and female passengers must be 19 years old.



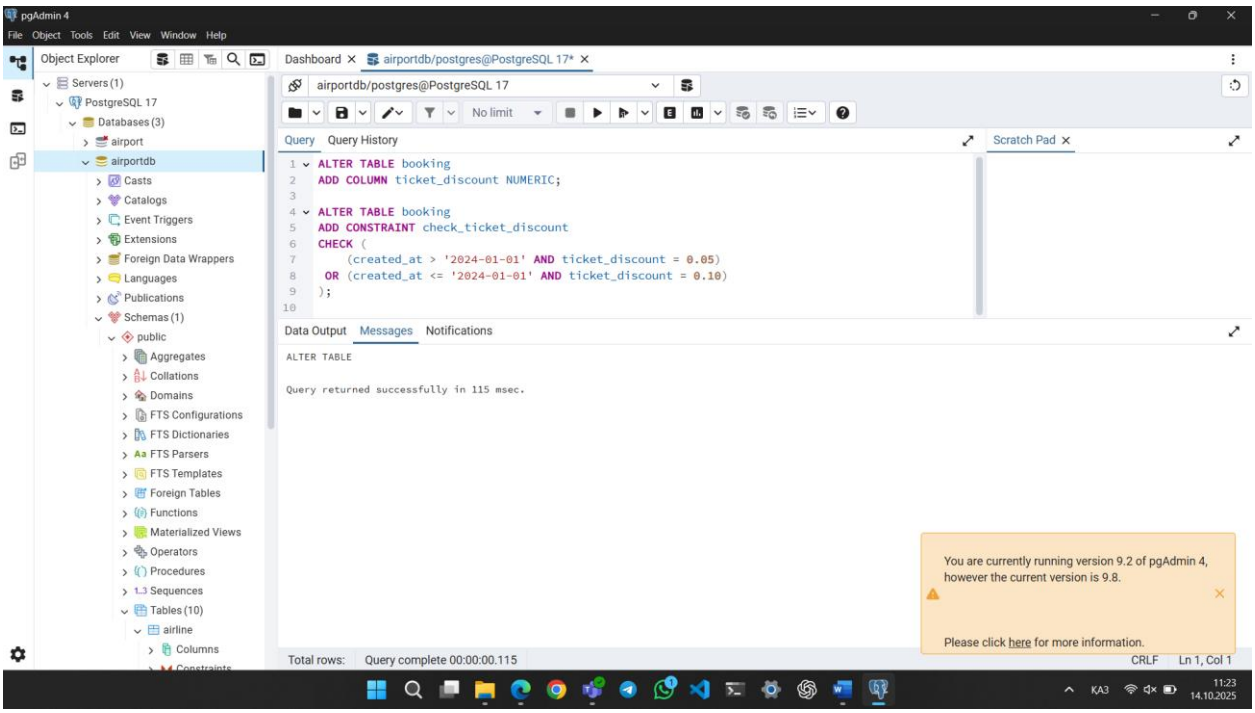
7. Add a check constraint to add rule as follow (use column country_of_citizenship):

- Passengers from Kazakhstan must be at least 18 years old.
- Passengers form France must be at least 17 years old.
- Passengers from other countries must be at least 19 years old



8. Add a ticket_discount column to table booking and a CHECK constraint to apply some discount based on ticket price and created time:

- the constraint applies a 5% discount for tickets created after 2024-01-01, and 10% discount for tickets created before 2024-01-01.


pgAdmin 4
File Object Tools Edit View Window Help
Object Explorer
Servers (1)
PostgreSQL 17
Databases (3)
airport
airportdb
Casts
Catalogs
Event Triggers
Extensions
Foreign Data Wrappers
Languages
Publications
Schemas (1)
public
Aggregates
Collations
Domains
FTS Configurations
FTS Dictionaries
FTS Parsers
FTS Templates
Foreign Tables
Functions
Materialized Views
Operators
Procedures
Sequences
Tables (10)
airline
Columns
Dashboard
airportdb/postgres@PostgreSQL 17*
airportdb/postgres@PostgreSQL 17
No limit
Query
Query History
Scratch Pad
ALTER TABLE booking
ADD COLUMN ticket_discount NUMERIC;
ALTER TABLE booking
ADD CONSTRAINT check_ticket_discount
CHECK (
(created_at > '2024-01-01' AND ticket_discount = 0.05)
OR (created_at <= '2024-01-01' AND ticket_discount = 0.10)
);
Data Output
Messages
Notifications
ALTER TABLE
Query returned successfully in 115 msec.
You are currently running version 9.2 of pgAdmin 4, however the current version is 9.8.
Please click here for more information.
Total rows:
Query complete 00:00:00.115
CRLF
Ln 1, Col 1
11:23
14.10.2025