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MSIS-2503: Fundamentals of SQL

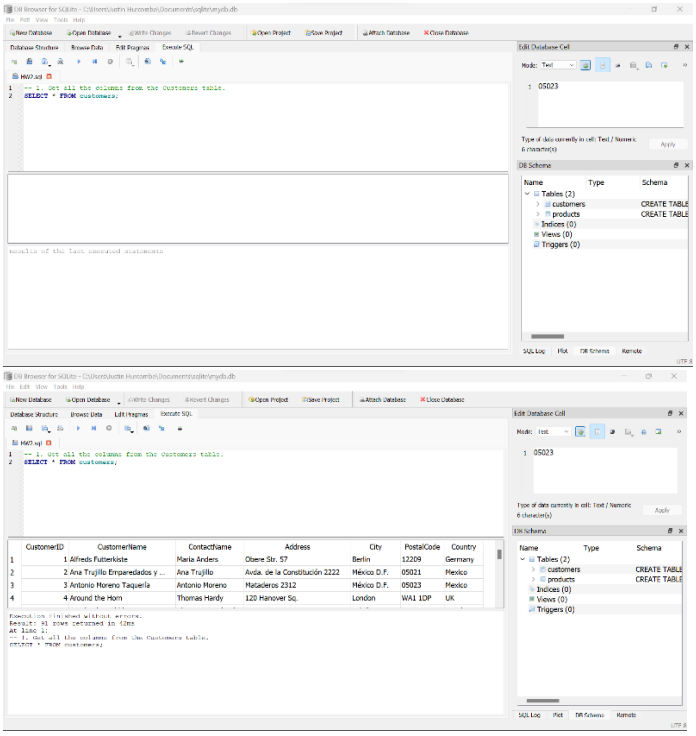
Assignment #2

2/3/24

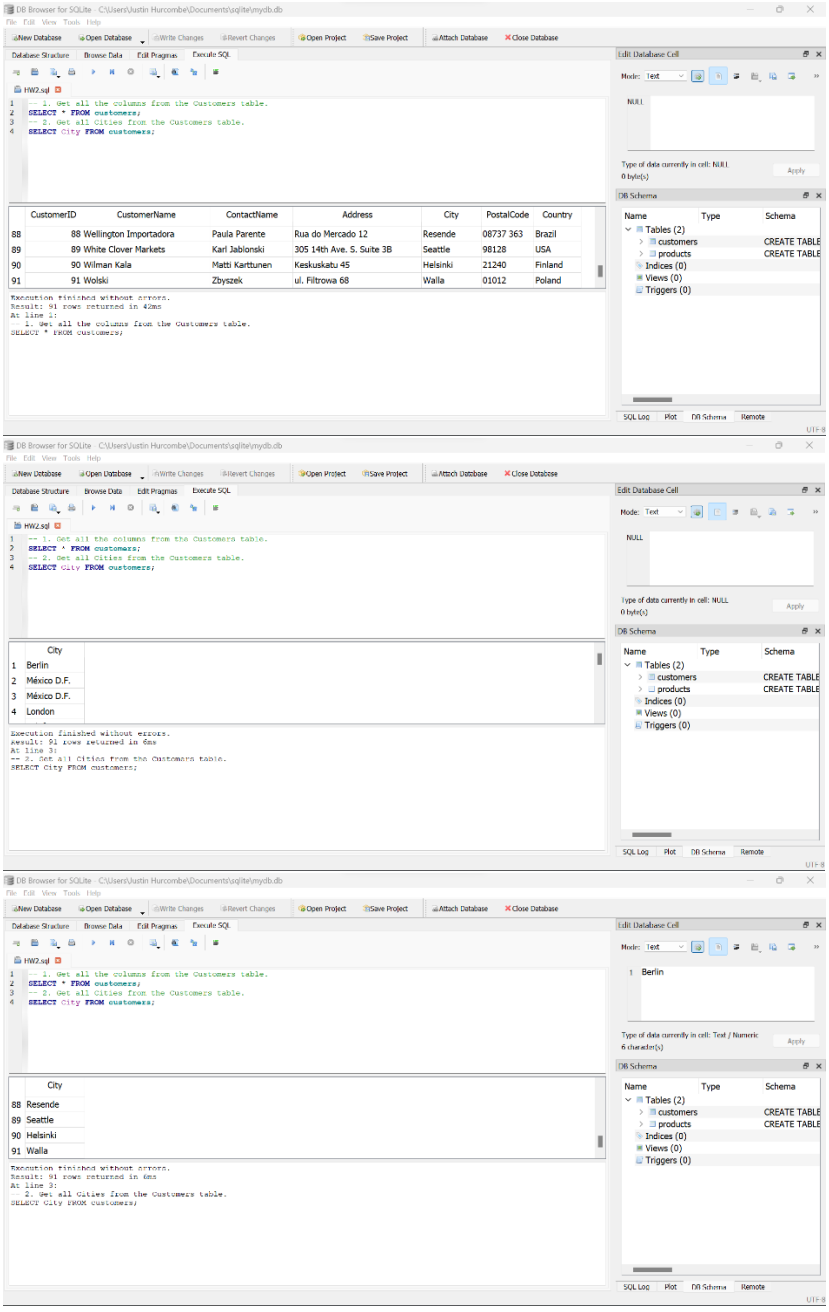
A database is provided. There are two tables in it: customers and products.

Use these two tables to finish the following query requests:

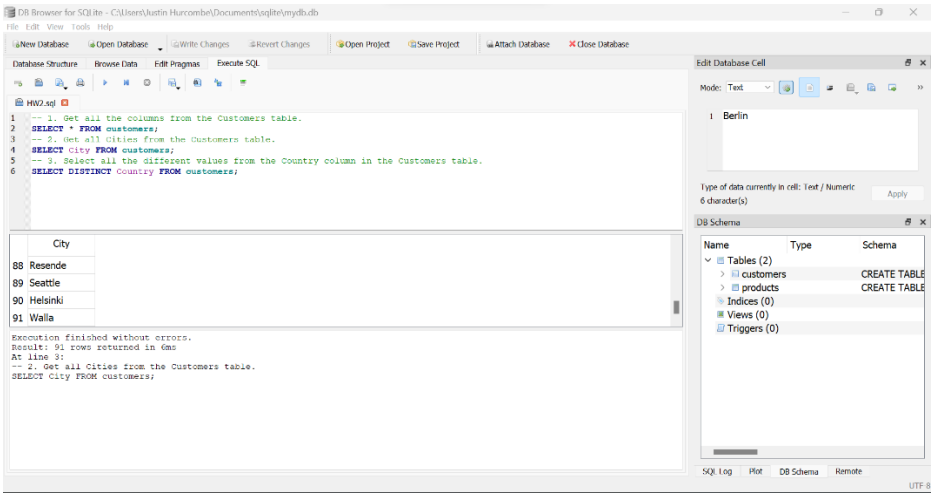
1. Get all the columns from the Customers table.

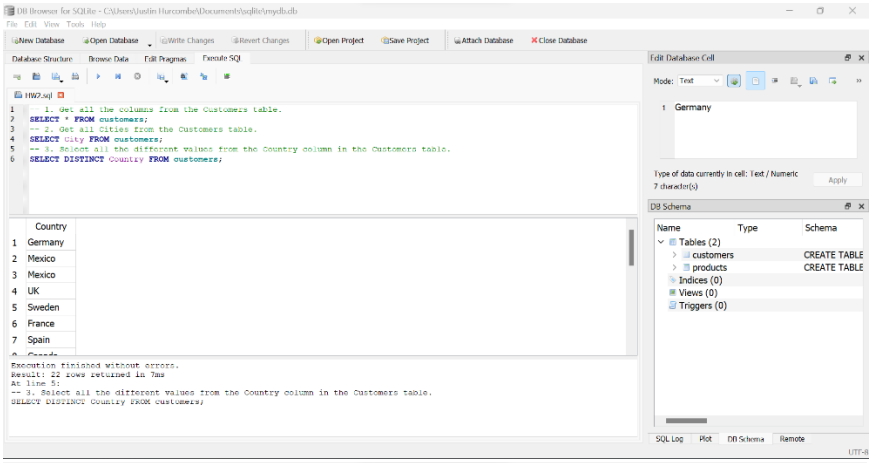


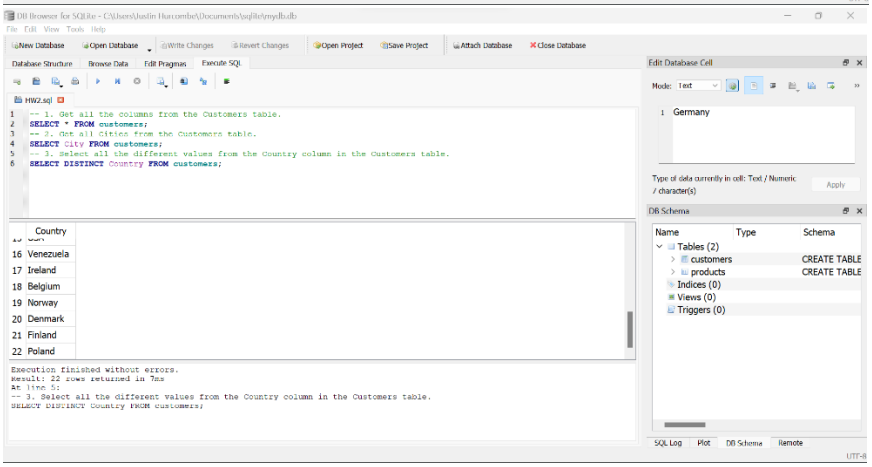
2. Get all Cities from the Customers table.



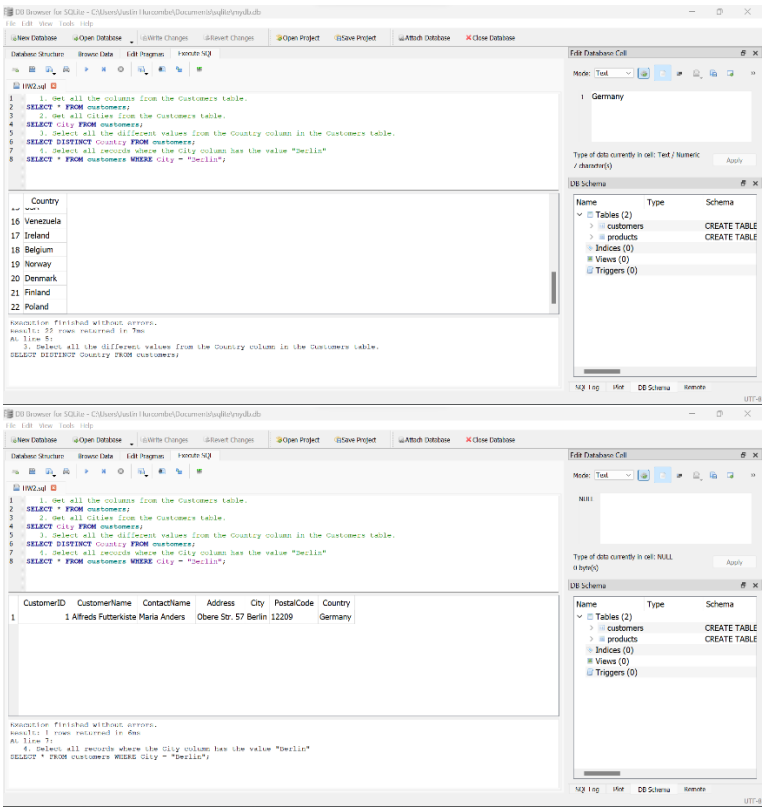
3. Select all the different values from the Country column in the Customers table.



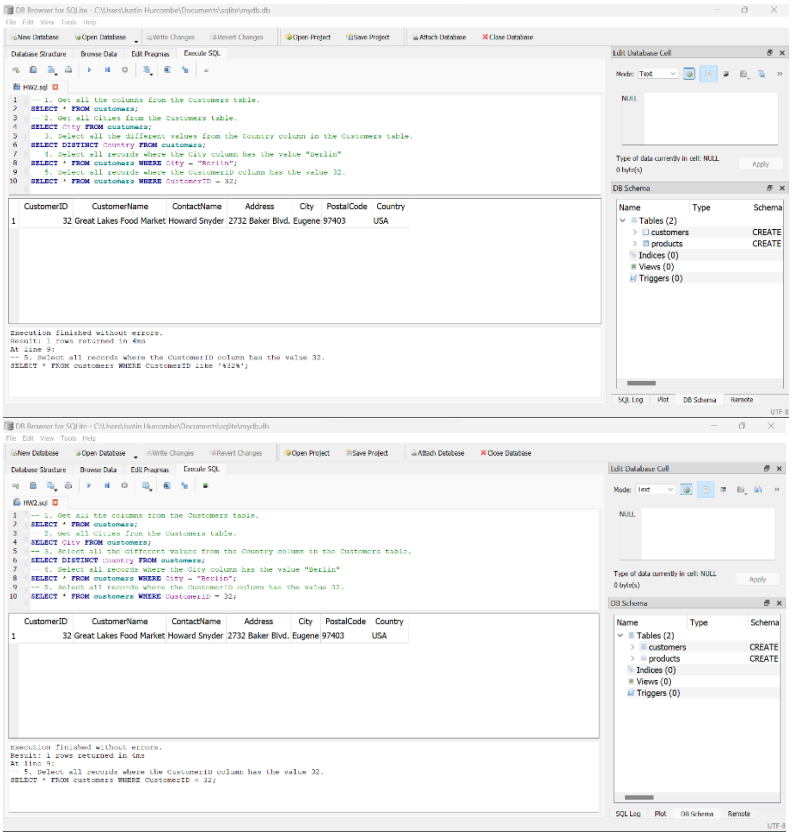




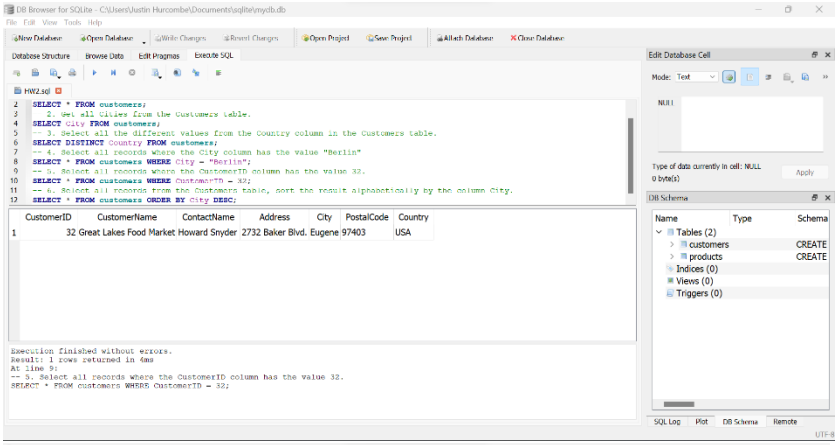
4. Select all records where the City column has the value “Berlin".

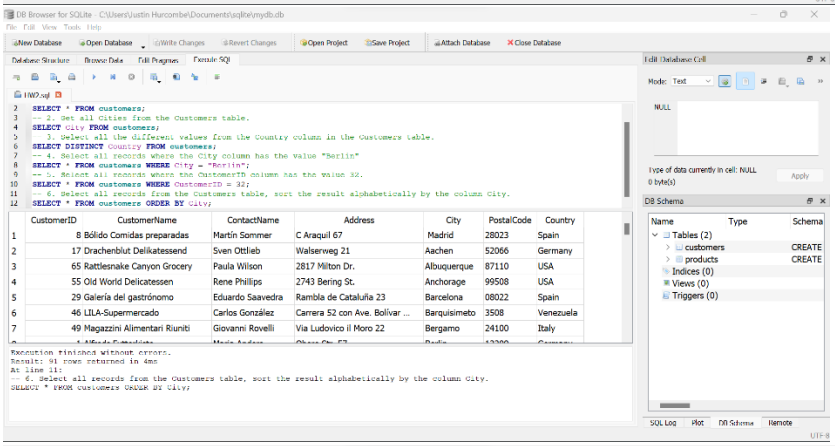


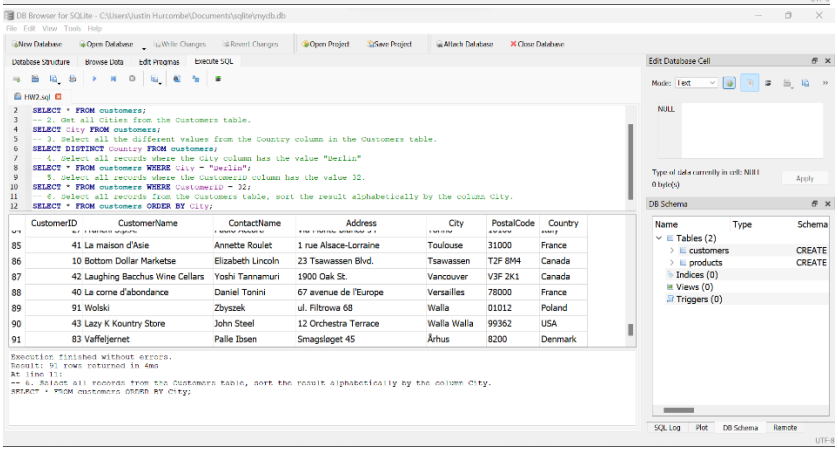
5. Select all records where the CustomerID column has the value 32.



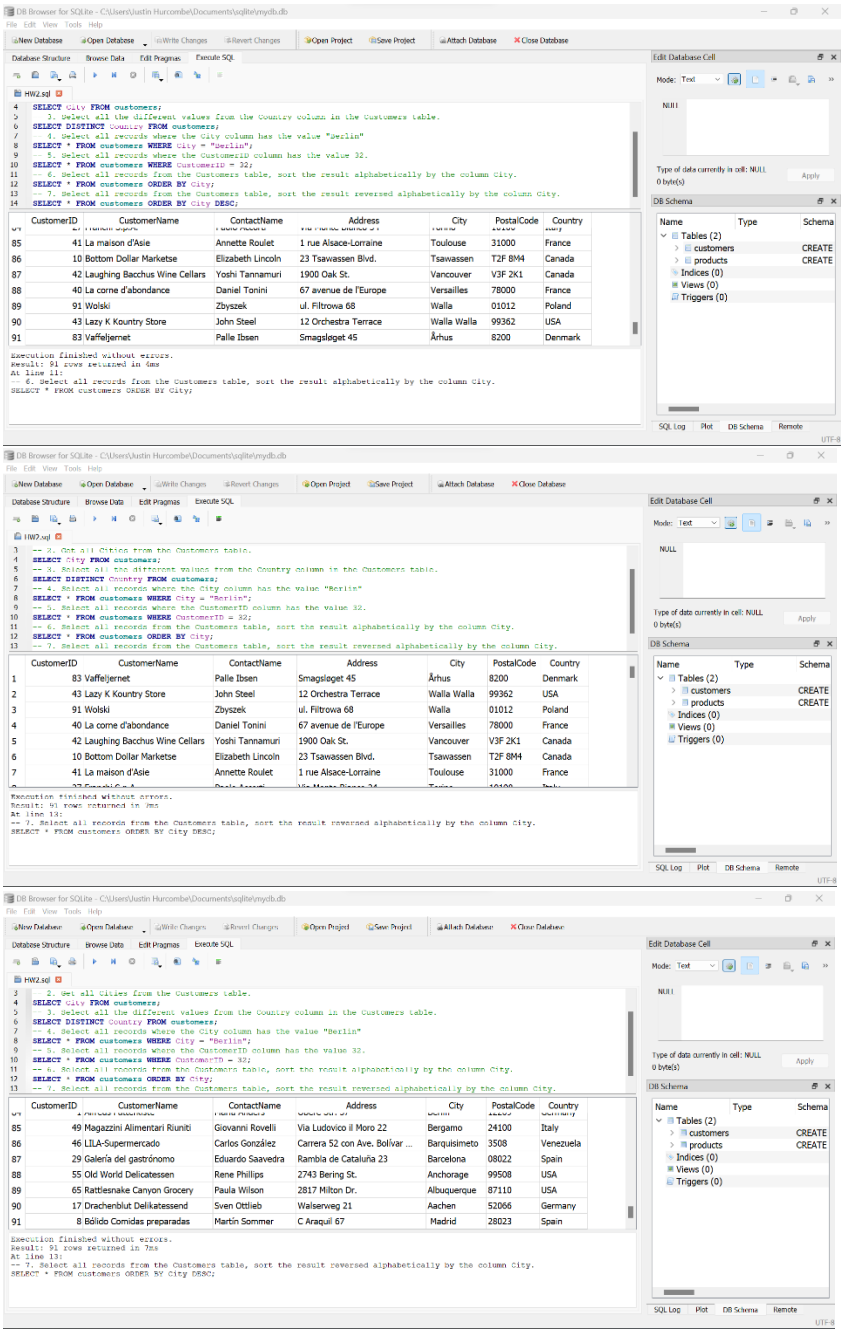
6. Select all records from the Customers table, sort the result alphabetically by the column City.



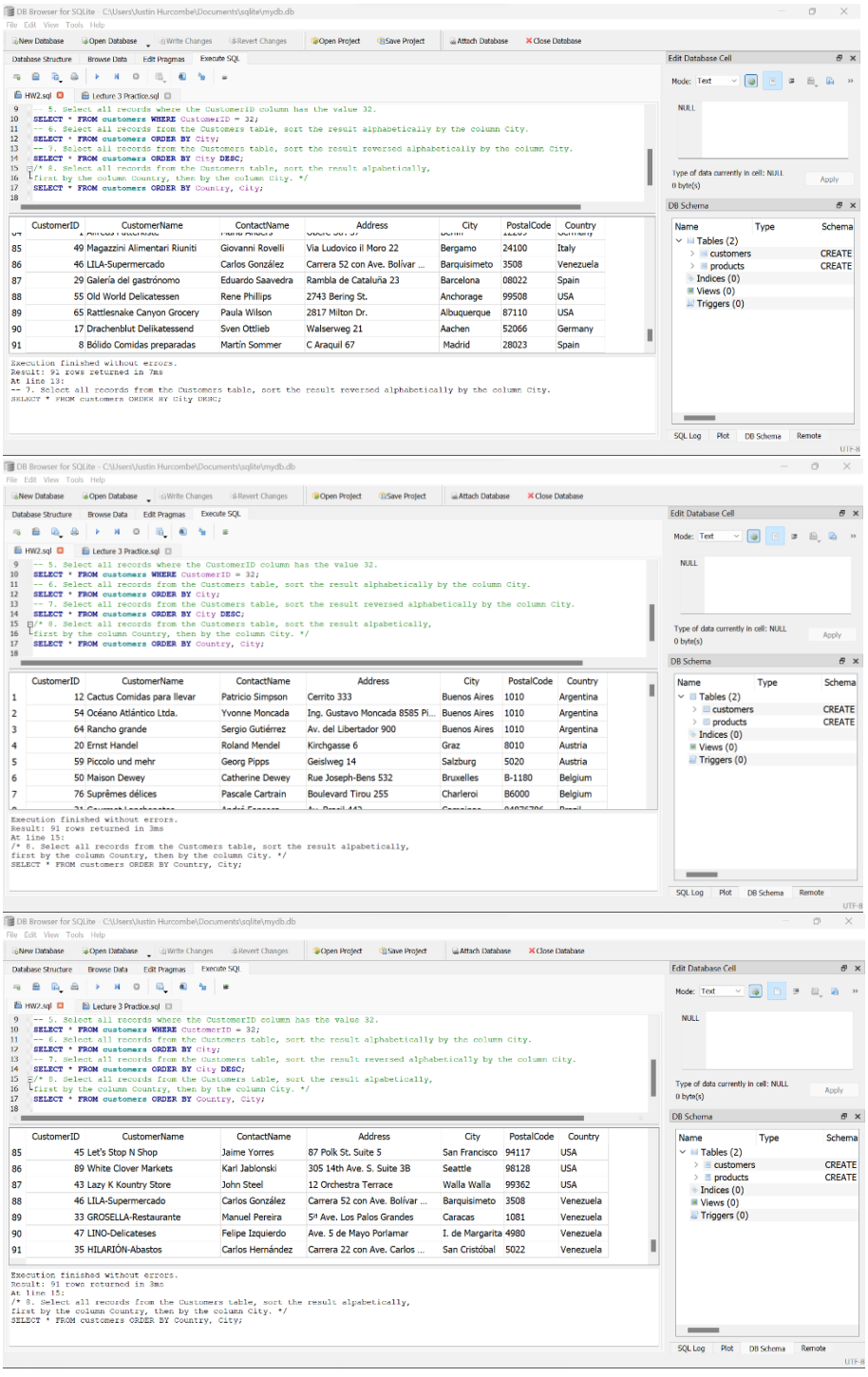




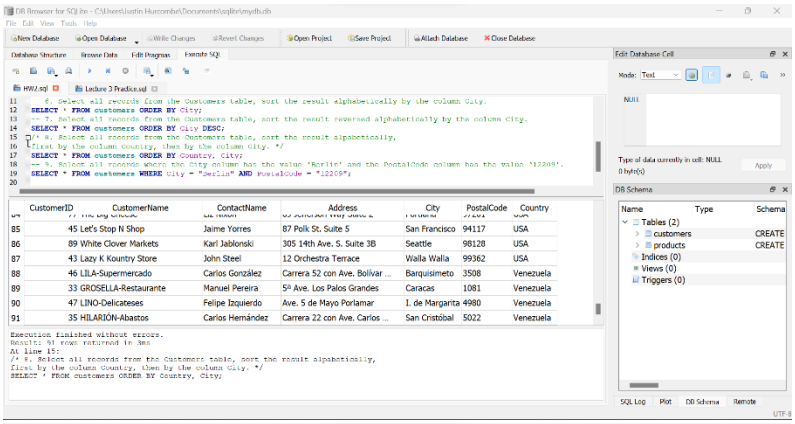
7. Select all records from the Customers table, sort the result reversed alphabetically by the column City.

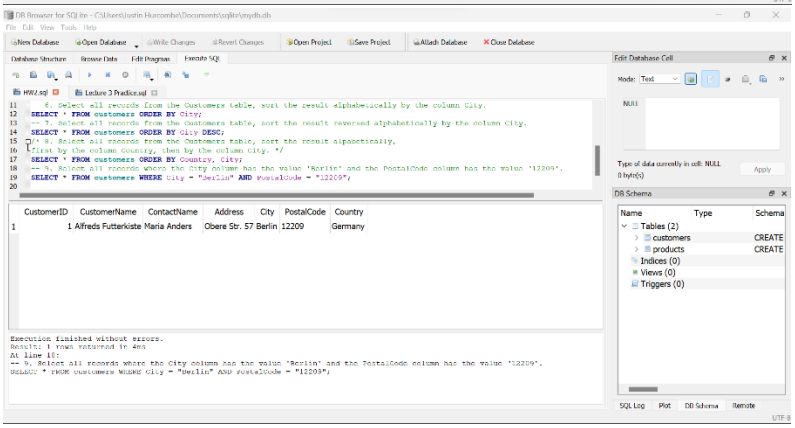


8. Select all records from the Customers table, sort the result alphabetically, first by the column Country, then, by the column City.

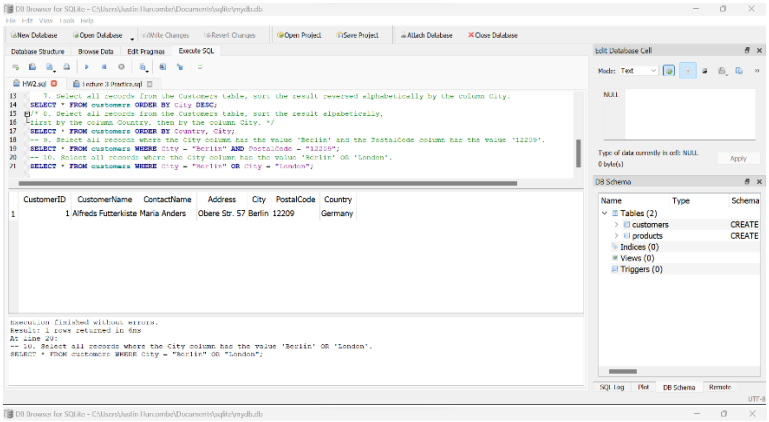


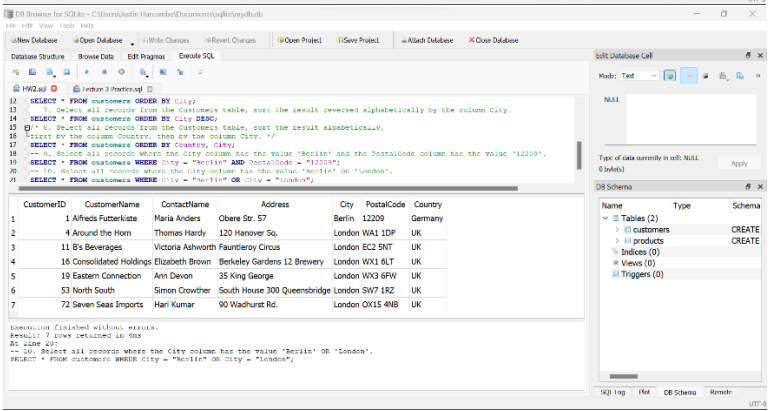
9. Select all records where the City column has the value 'Berlin' and the PostalCode column has the value ‘12209'.



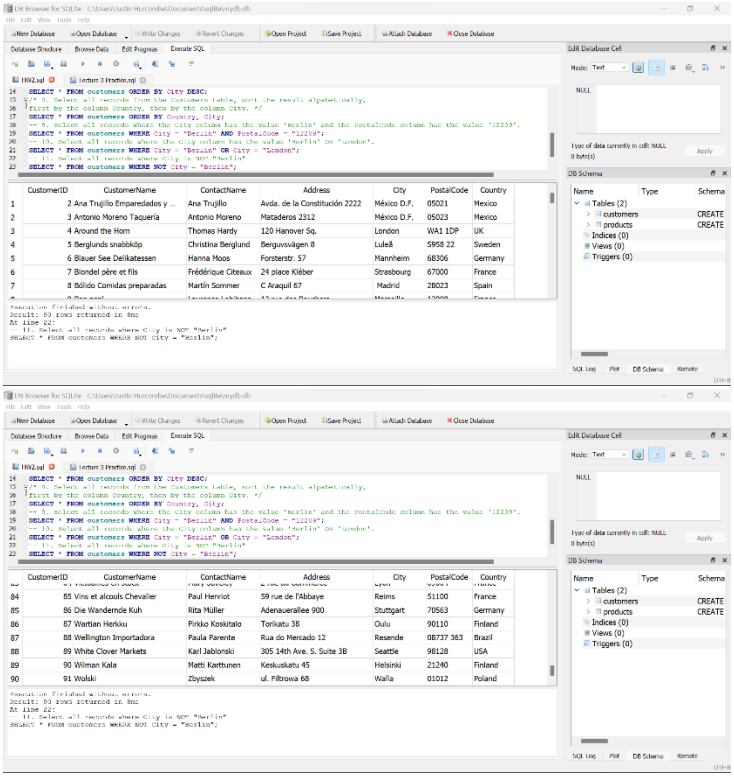


10. Select all records where the City column has the value 'Berlin' OR 'London'.

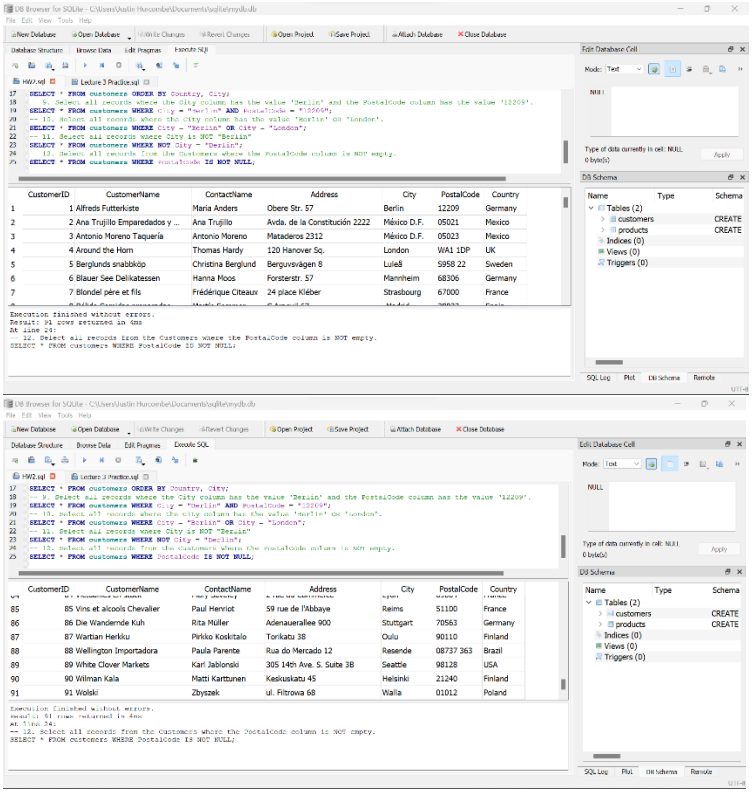




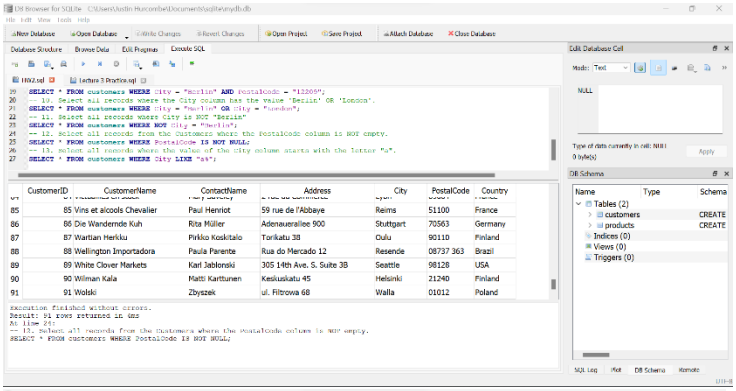
11. Select all records where City is NOT “Berlin".

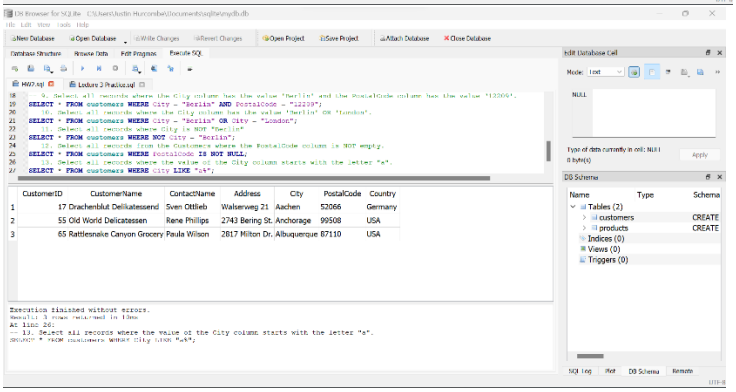


12. Select all records from the Customers where the PostalCode column is NOT empty.

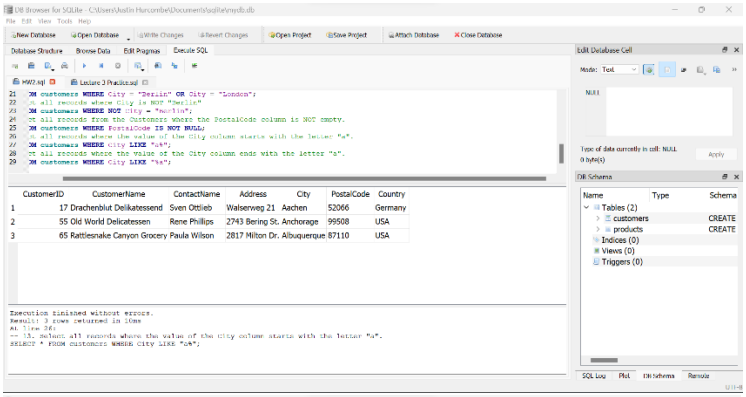


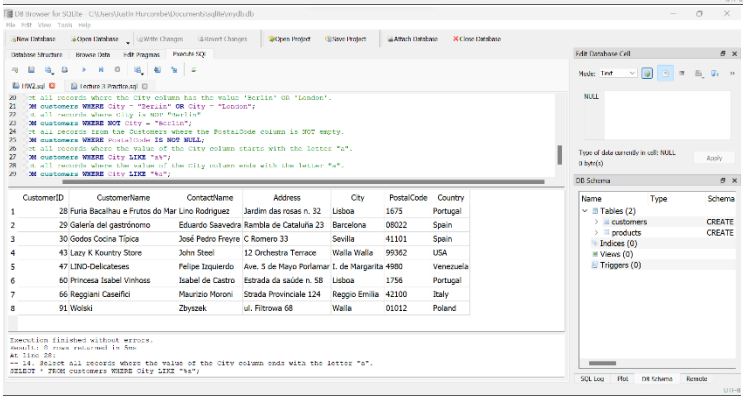
13. Select all records where the value of the City column starts with the letter "a".



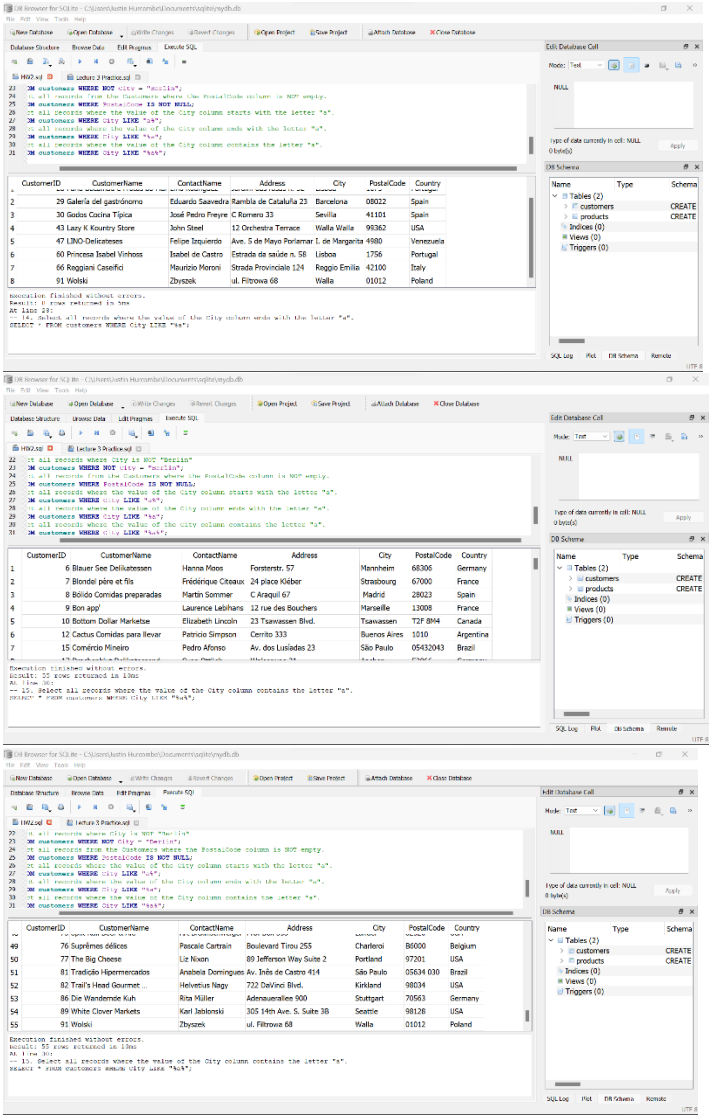


14. Select all records where the value of the City column ends with the letter "a".

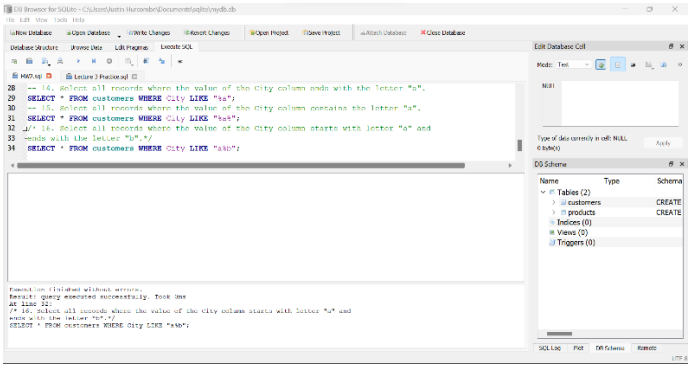




15. Select all records where the value of the City column contains the letter "a".

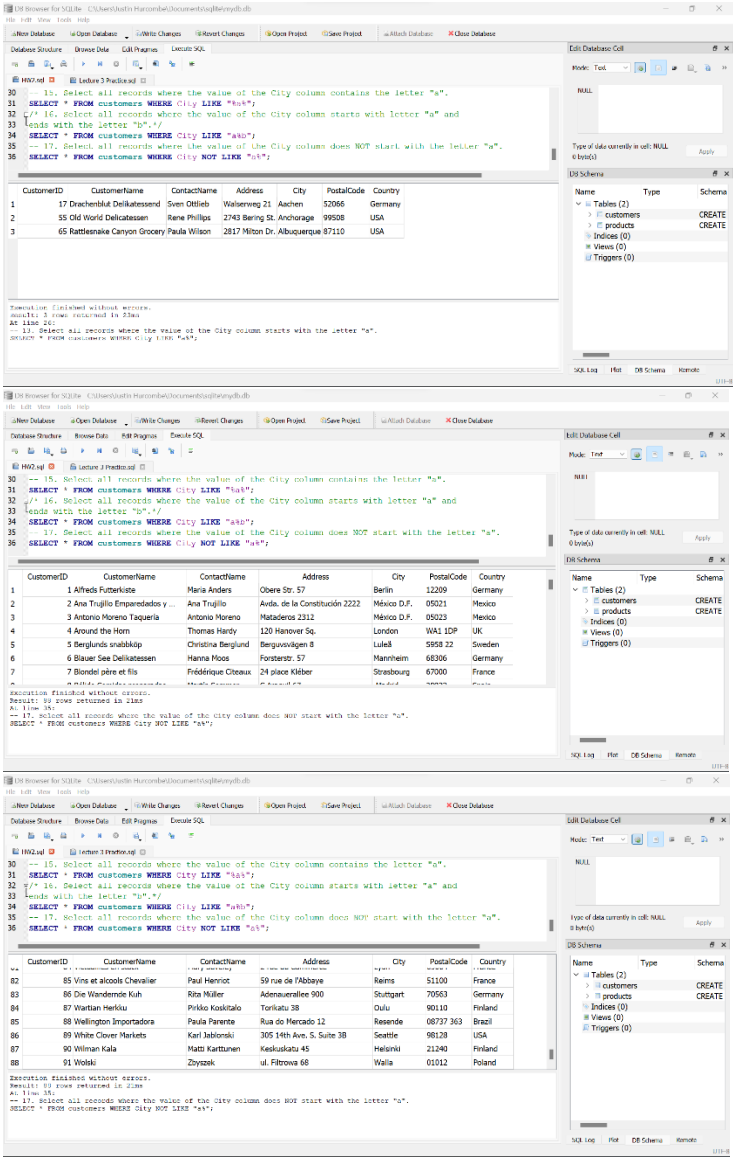


16. Select all records where the value of the City column starts with letter "a" and ends with the letter “b".

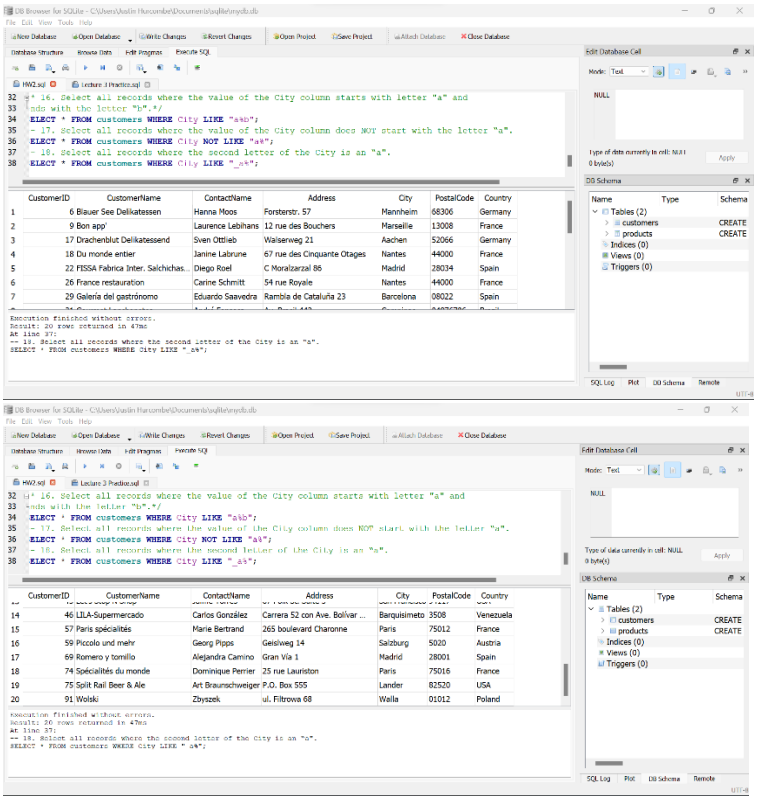


There were no records where city started with the letter a and ended with the letter b.

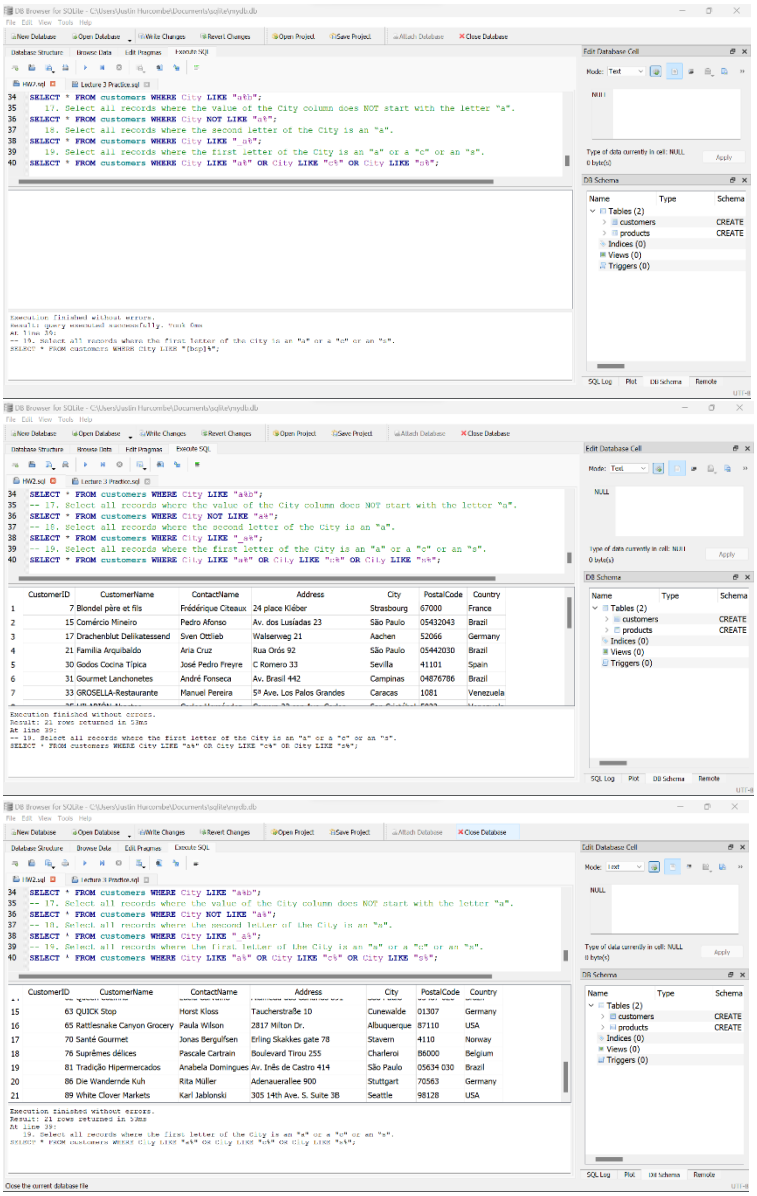
17. Select all records where the value of the City column does NOT start with the letter “a".



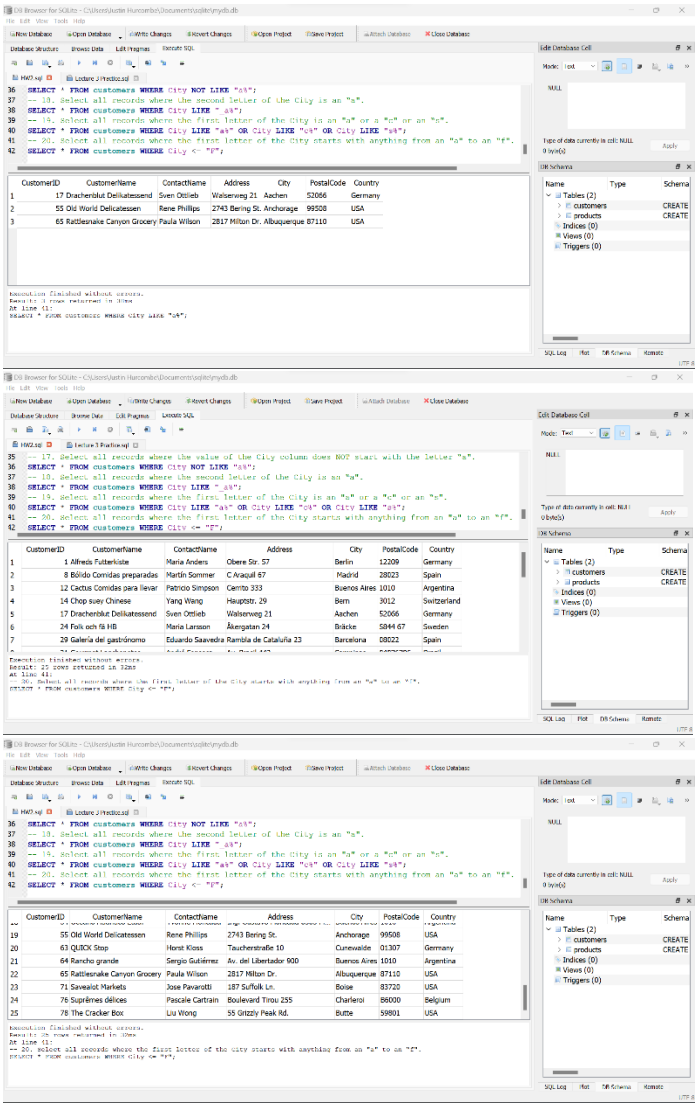
18. Select all records where the second letter of the City is an “a".



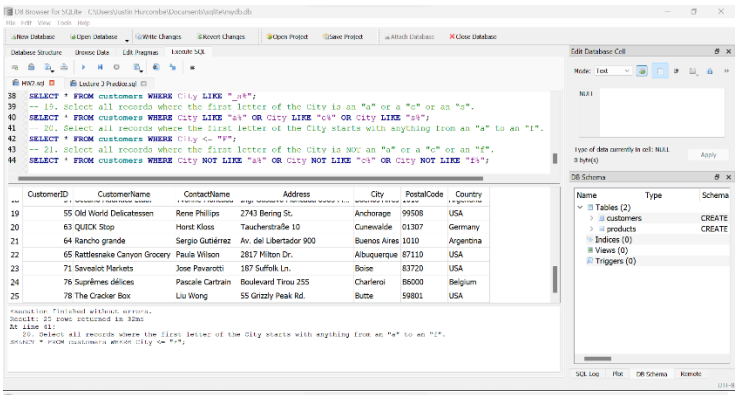
19. Select all records where the first letter of the City is an "a" or a "c" or an “s".

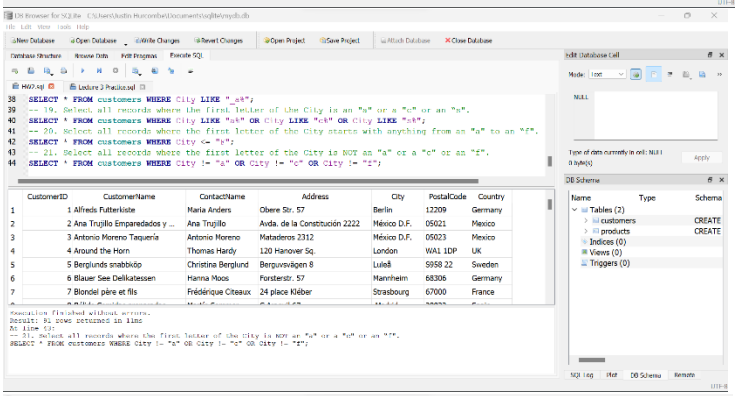


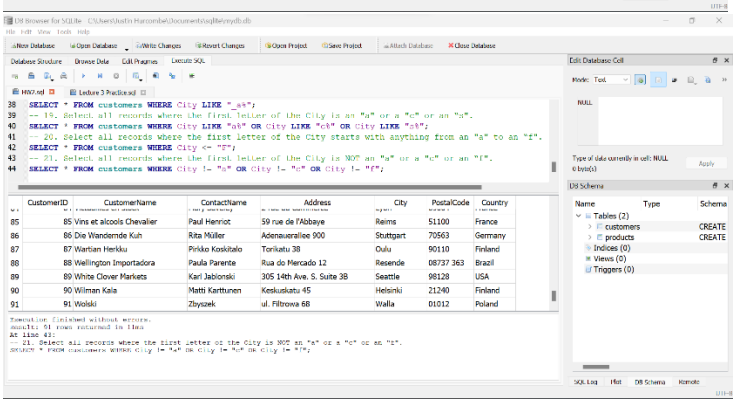
20. Select all records where the first letter of the City starts with anything from an "a" to an “f".



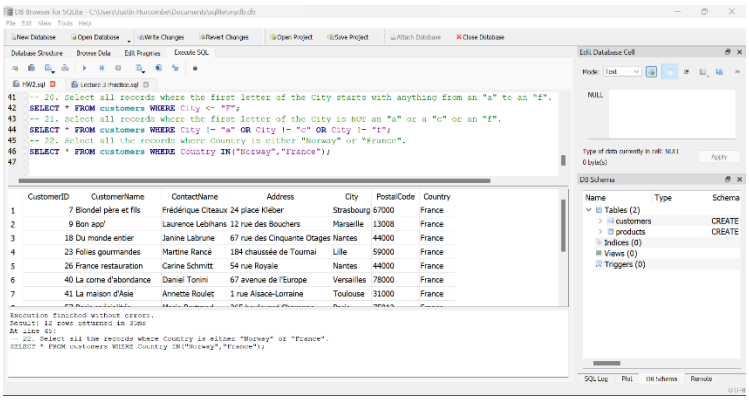
21. Select all records where the first letter of the City is NOT an "a" or a "c" or an “f".



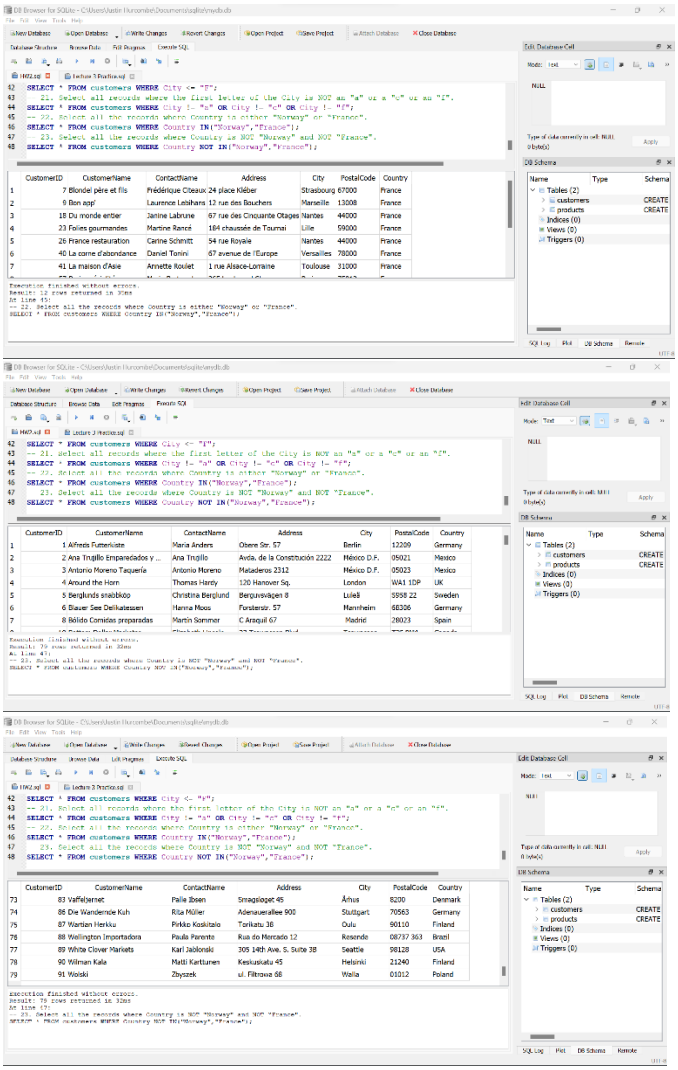




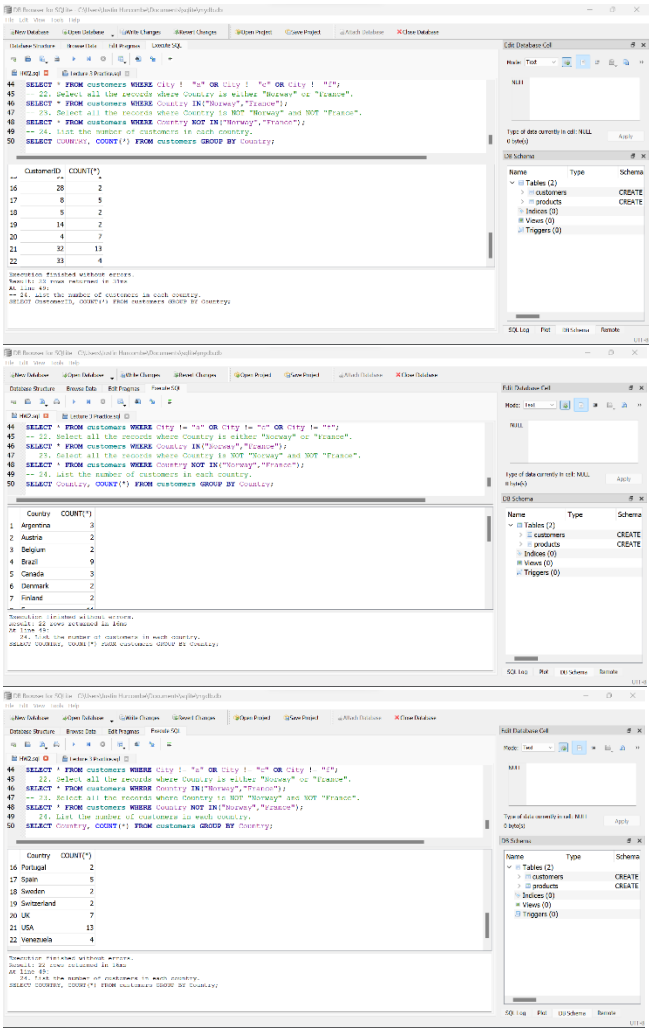
22. Select all the records where Country is either "Norway" or “France".



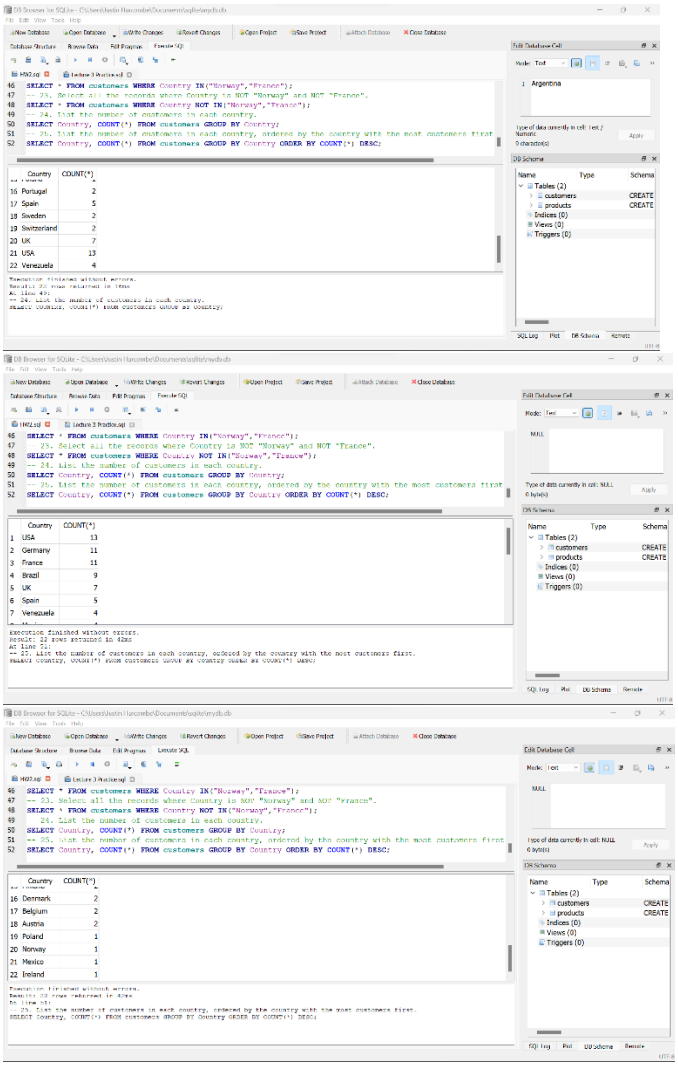
23. Select all the records where Country is NOT "Norway" and NOT “France".



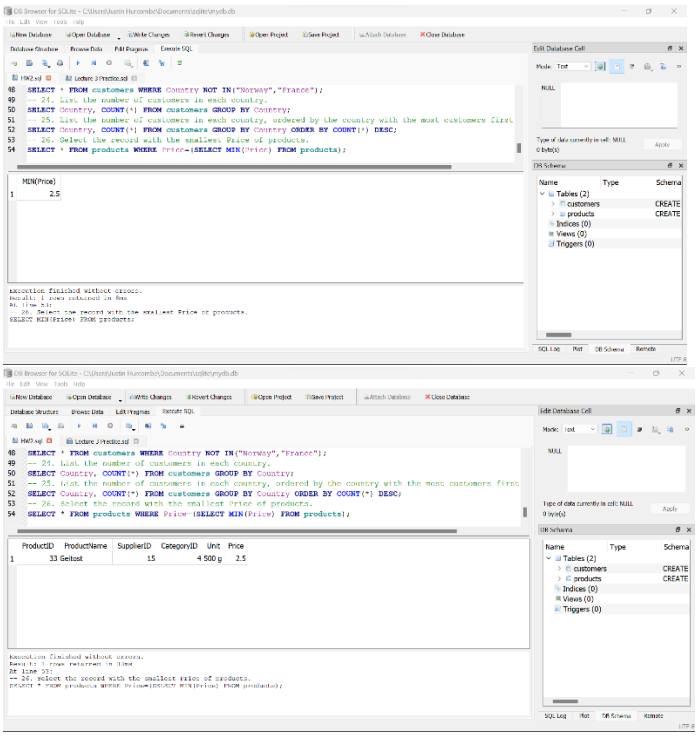
24. List the number of customers in each country.



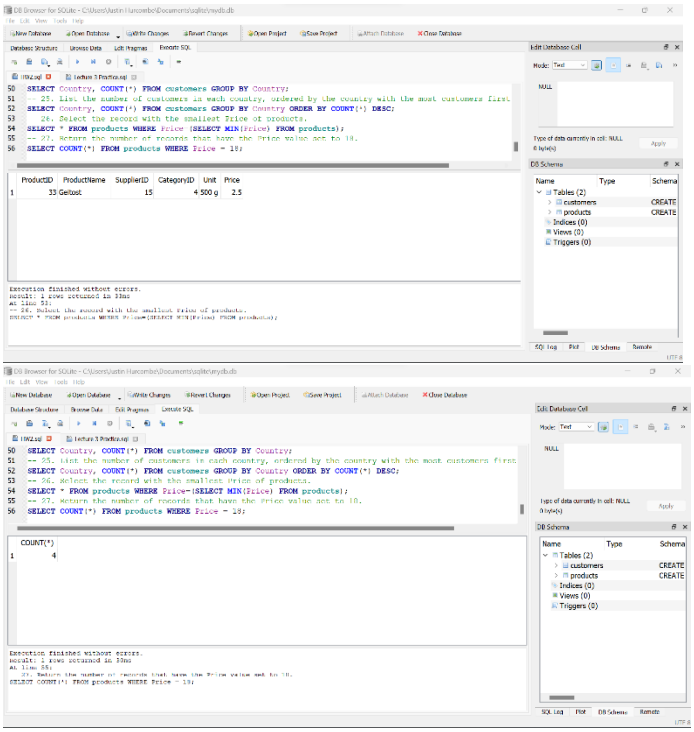
25. List the number of customers in each country, ordered by the country with the most customers first.



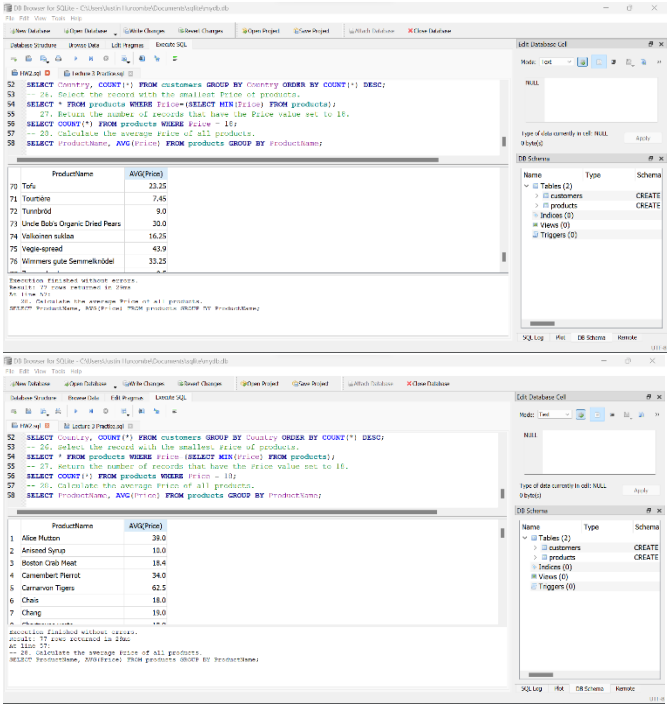
26. Select the record with the smallest Price of products.



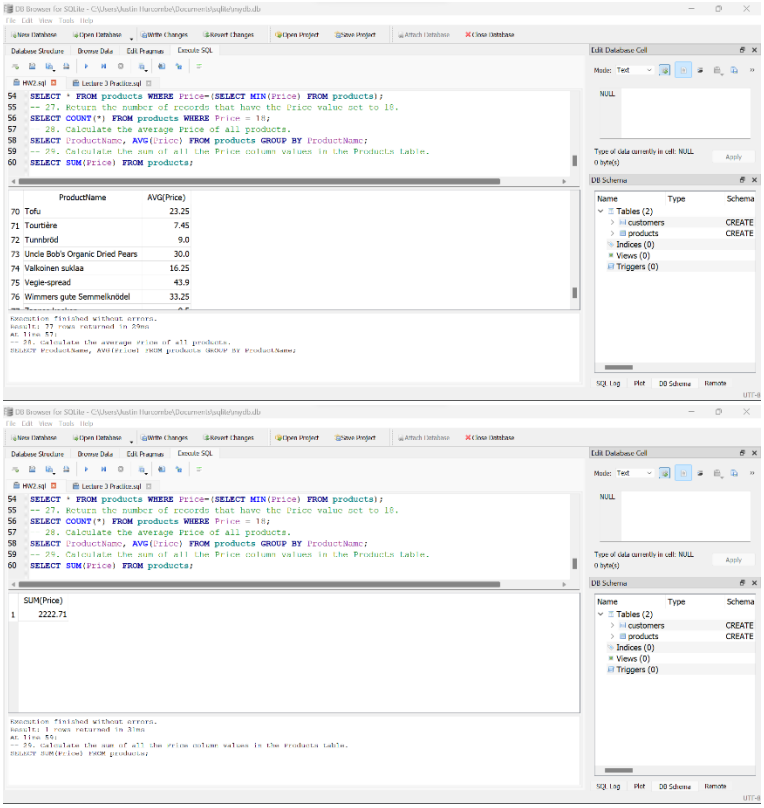
27. Return the number of records that have the Price value set to 18.



28. Calculate the average Price of all products.



29. Calculate the sum of all the Price column values in the Products table.



30. Select product names and prices and also display a price type column to mark prices higher than 50 as high and price lower than 50 as low.