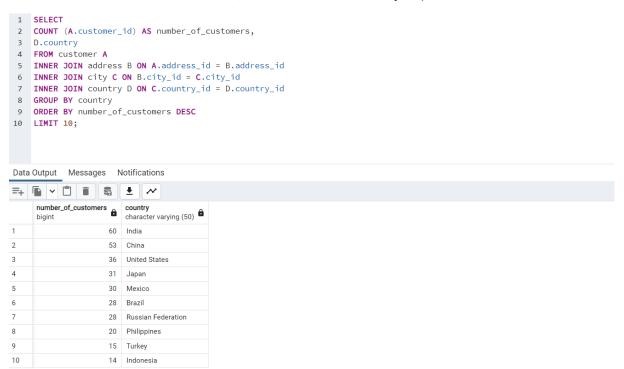
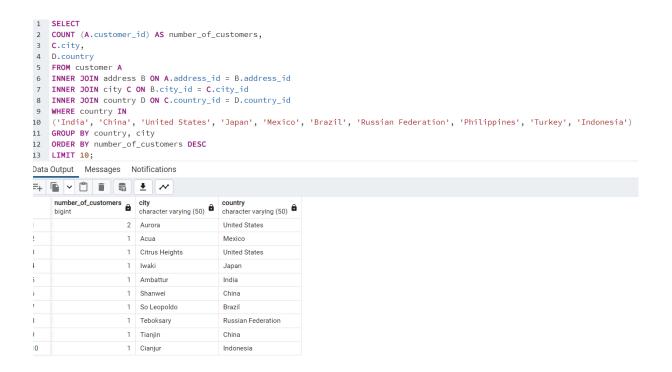
3.7: Joining Tables of Data

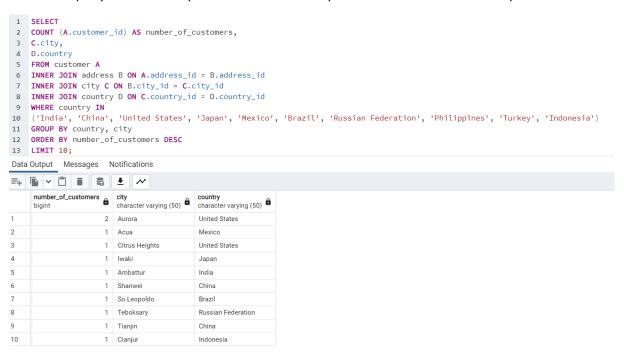
Write a query to find the top 10 countries for Rockbuster in terms of customer numbers. (Tip: you'll have to use GROUP BY and ORDER BY, both of which follow the join.)



I started with the requirements of the data. In this case I wanted to find the amount of customers (table CUSTOMER) in each country. To identify the country of each customer, I followed the structure of the ERD: Customer (A) -> address (B) -> city (C) -> country (D). I then formulated the Command to COUNT all Customers_id and grouped them according to their country (D. country). I decided for this way of query, because it is the most efficient way to get the required information. Another interesting aspect, of course, would be to figure out, how many customers are without address using FULL JOIN.



2. Write a query to find the top 10 cities within the top 10 countries identified in step 1.



I first thought that it is enough to take "one step back" from the first exercise, but then I realized, that there seemed to be no connection with the cities and the countries. That's where I realized that I need to filter (WHERE) the cities according the identified countries and group them. Apart from that, the procedure is the same as in the first exercise.

3. Write a query to find the top 5 customers in the top 10 cities who have paid the highest total amounts to Rockbuster. The customer team would like to reward them for their loyalty!

