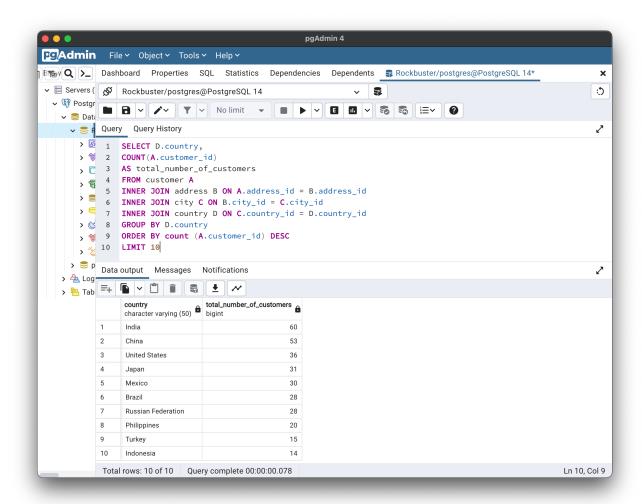
3.7: Joining Tables of Data

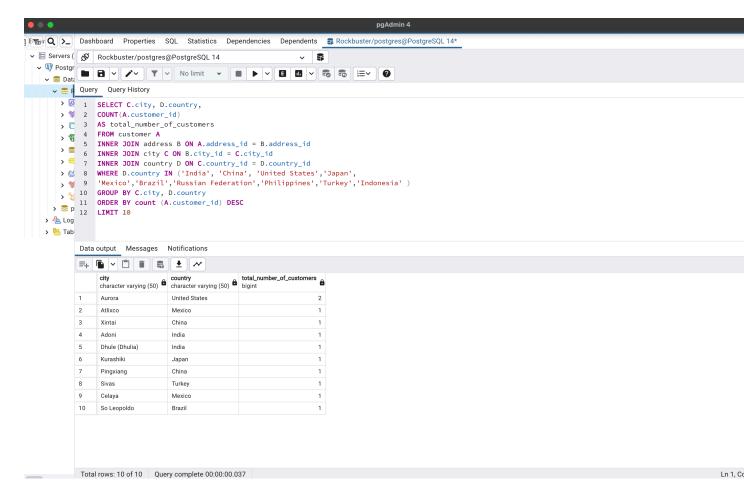
Alejandro Salgado

Step 1: 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.)



• The first step I did was look at the ERD table and see what the connections were. I saw that address id, city id and country id were connected. I figured INNER JOIN would be the best to use. I used SELECT for the country which was table D and then used COUNT since we are going to count the number of customers. Used AS for the column name and then started joining the tables. After that I used the GROUP BY command to sum up each country and ORDER BY to see the order by customers in descending order and since we are only seeing the top 10, there was a LIMIT of 10.

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



• For this query I found that it is similar to the last one. I added the city in the SELECT command because we are trying to look for the top 10 cities within the top 10 countries. I kept the same INNER JOIN commands, but when it comes to where, I added the top 10 countries from the last query and I added the city to the GROUP BY command. Just like the last query, I put a LIMIT of 10.

Step 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!

• Tip: After the join syntax, you'll need to use the WHERE clause with an operator, followed by GROUP BY and ORDER BY. Your output should include the following columns: Customer ID, Customer First Name and Last Name, Country, City, Total Amount Paid.

