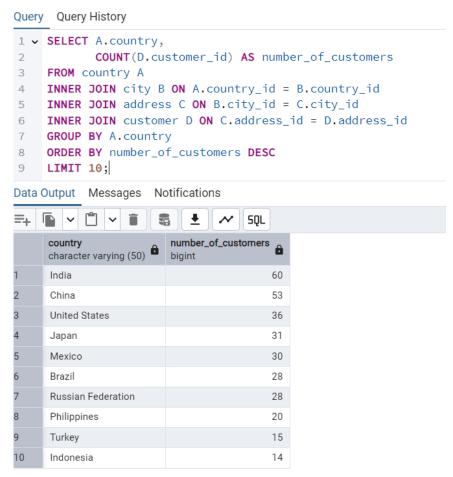
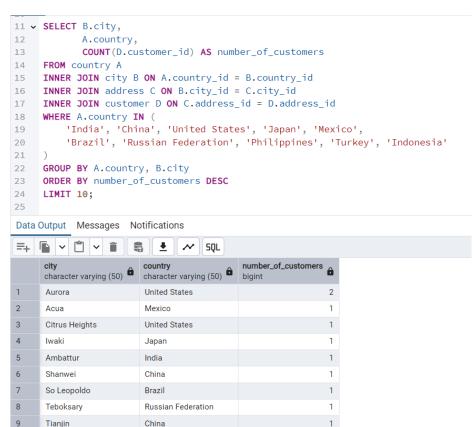
1. Write a query to find the top 10 countries for Rockbuster in terms of customer numbers. Write a few sentences on how you approached this query and why.



To find the top 10 countries with the most customers, I followed the relationships between the tables starting from country, joining to city (country_id), then address (city_id), and finally customer (address_id). I used COUNT(customer_id) to calculate the number of customers per country, grouped by country, sorted the result in descending order & restricted the output to the top 10, as requested.

2. Next, write a query to identify the top 10 cities that fall within the top 10 countries you identified in step 1. (Hint: the top 10 cities can be in any of the countries identified—you don't need to create a separate list for each country.). Write a short explanation of how you approached this query and why.



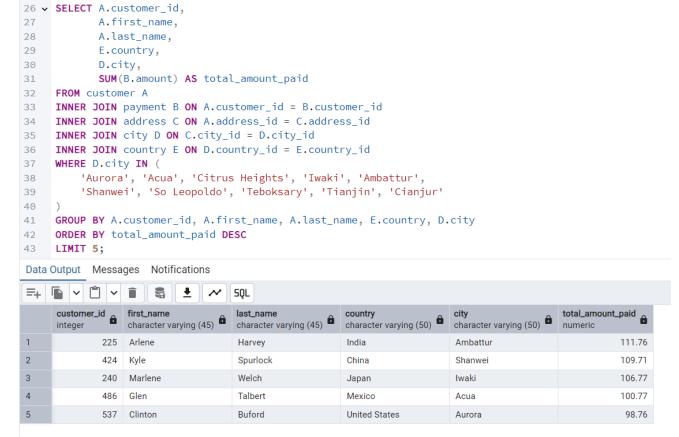
Cianjur

Indonesia

To find the top 10 cities by customer count within the top 10 countries identified earlier, I used a series of inner joins, as before, to connect the country, city, address, and customer tables. I filtered the data using a WHERE clause to include only the 10 specific countries from the previous step. Then, I grouped the data by both country and city to ensure each city was correctly associated with its country. I used COUNT(customer_id) to calculate the number of customers in each city, sorted the results in descending order of customer count, and limited the output to the top 10.

3. Now write a query to find the top 5 customers from the top 10 cities who've 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, and Total Amount Paid.



To find the top 5 customers who paid the most (spent the most with Rockbuster) and live in the top 10 cities identified in the previous step, I connected several tables: customers, payments, addresses, cities, and countries. I used the WHERE filter to include only the 10 cities we found earlier. Then, I added up how much each customer paid using SUM. I grouped the results by customer so we get one total per person. Finally, I sorted them from highest to lowest and picked the top 5.