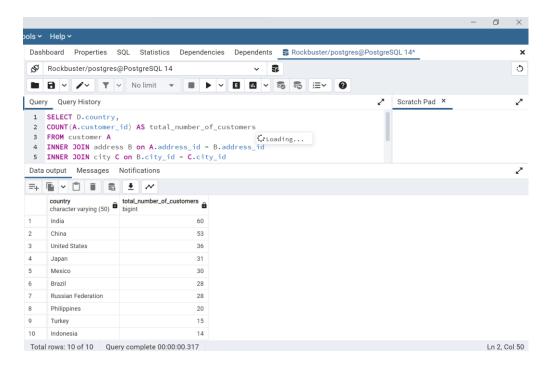
## **Task 3.7: Joining Tables of Data**

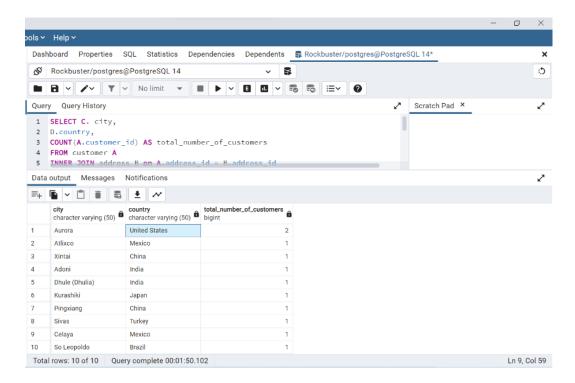
1. Write a query to find the top 10 countries for Rockbuster in terms of customer numbers.

Query:	Explanation:
SELECT D.country,	I looked at the ERD that I created from
	the data dictionary. Since the task was to
COUNT(A.customer_id) AS	find the top 10 countries for Rockbuster
total_number_of_customers	in terms of customer numbers, I looked
FROM customer A	at the country and customer table. First, I chose SELECT country and COUNT customer id as total number of custers
INNER JOIN address B on A.address_id	FROM customer table. Then, I used
= B.address_id	INNER JOIN to city and address to link
INNED IOIN sity C on P sity id -	the customer and country table. INNER JOIN was my choice for the JOIN since I
INNER JOIN city C on B.city_id = C.city_id	only needed limited information from the
C.city_id	two tables. Lastly, I applied GROUP
INNER JOIN country D on	BY, ORDER BY count, and LIMIT.
C.country_id = D.country_id	
GROUP BY D.country	
ORDER BY count(A.customer_id) DESC limit 10;	



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

Query:	Explanation:
SELECT C. city,	In addition to the query written in #1, I
D.country,	chose SELECT city, added the WHERE clause for country and the IN operator to
COUNT(A.customer_id) AS	add the top ten countries, and GROUP BY city and country.
total_number_of_customers	B1 City and country.
FROM customer A	
INNER JOIN address B on A.address_id = B.address_id	
INNER JOIN city C on B.city_id = C.city_id	
INNER JOIN country D on C.country_id = D.country_id	
WHERE D.country IN ('India', 'China', 'United States', 'Japan', 'Mexico', 'Brazil', 'Russian Federation', 'Philippines', 'Turkey', 'Indonesia')	
GROUP BY C.city, D.country	
ORDER BY count(A.customer_id) DESC limit 10;	



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!

