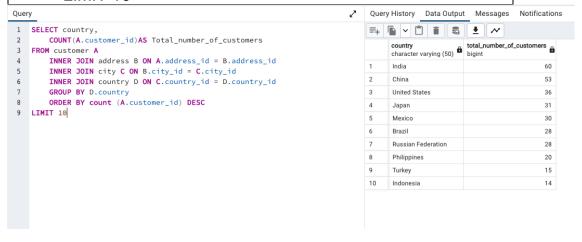
## 3.7- Joining Tables Of Data

## **Answers 3.7**

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.)

Copy-paste your query and its output into your answers document.

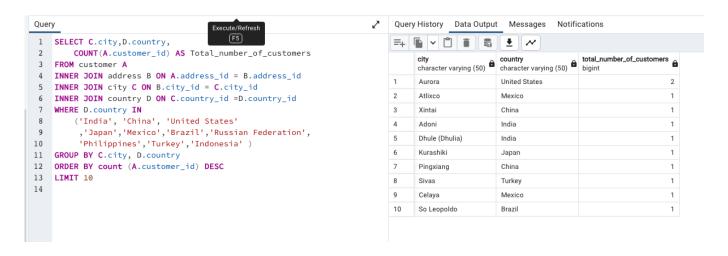
- SELECT country,
- COUNT(A.customer\_id)AS
   Total\_number\_of\_customers
- FROM customer A
- INNER JOIN address B ON A.address\_id = B.address\_id
- INNER JOIN city C ON B.city\_id = C.city\_id
- INNER JOIN country D ON C.country\_id = D.country\_id
- GROUP BY D.country
- ORDER BY count (A.customer\_id) DESC
- LIMIT 10



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

Copy-paste your query and its output into your answers document

```
SELECT C.city,D.country,
    COUNT(A.customer_id) AS Total_number_of_customers
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!
  - 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.
  - Copy-paste your query and its output into your answers document.

- SELECT B.customer\_id, B.first\_name,
- B.last\_name, D.city, E.country,
- SUM(A.amount) AS Total\_Amount\_Paid
- FROM customer B
- INNER JOIN payment A ON B.customer\_id = A.customer\_id
- INNER JOIN address C ON B.address\_id = C.address\_id
- INNER JOIN city D ON C.city\_id = D.city\_id
- INNER JOIN country E ON D.country\_id = E.country\_id
- WHERE D.city IN ('Aurora', 'Atlixco',
- 'Xintai', 'Adoni', 'Dhule (Dhulia)',
- 'Kurashiki', 'Pingxiang',
- 'Sivas', 'Celaya', 'So Leopoldo')
- GROUP BY B.customer\_id, B.first\_name, B.last\_name, D.city, E.country
- ORDER BY Total Amount Paid DESC
- LIMIT 5

