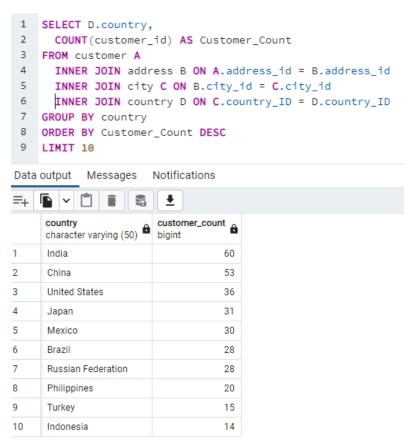
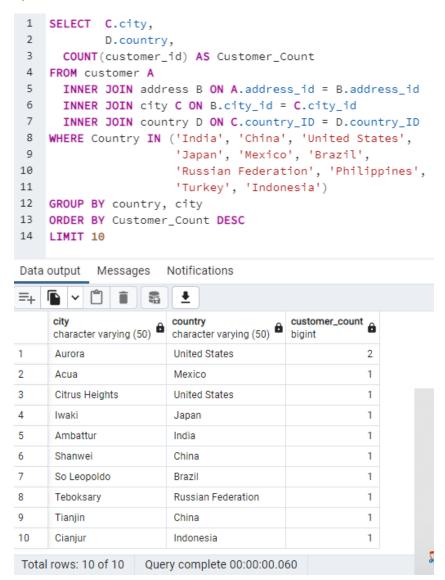
Achievement 3.7

1)



We are trying to see which countries has the most customers, there fore we need to connect the tables from customer>address>city>country. The question want to know top ten of the countries so "GROUP BY" country and set the sorting "ORDER BY" Customer_count by descending order ("DESC").



Question #2 asks for the top ten cities customer count within the top ten countries from question #1. We need to sort the cities within the query from question #1. So we need to filter the ten countries by adding a "WHERE" country "IN" so we are only counting the cities in the top ten countries.

```
1 SELECT B.customer_id, B.first_name, B.last_name, E.country, D.city,
2 SUM(amount) AS total_amount_paid
3 FROM payment A
 4 INNER JOIN customer B on A.customer_id = B.customer_id
 5 INNER JOIN address C ON B.address_id = C.address_id
 6   INNER JOIN city D ON C.city_id = D.city_id
 7
    INNER JOIN country E ON D.country_ID = E.country_ID
8 WHERE city IN ('Aurora', 'Acua', 'Citrus Heights', 9 'Iwaki', 'Ambattur', 'Shanwei',
10
                      'So Leopoldo', 'Teboksary',
                      'Tianjin', 'Cianjur')
11
12 GROUP BY country, city, B.customer_id
13 ORDER BY total_amount_paid DESC
14 LIMIT 5
```

Data output Messages Notifications

	customer_id integer	first_name character varying (45)	last_name character varying (45) €		city character varying (50)	total_amount_paid numeric
1	225	Arlene	Harvey	India	Ambattur	111.76
2	424	Kyle	Spurlock	China	Shanwei	109.71
3	240	Marlene	Welch	Japan	lwaki	106.77
4	486	Glen	Talbert	Mexico	Acua	100.77
5	537	Clinton	Buford	United States	Aurora	98.76

Total rows: 5 of 5 Query complete 00:00:00.058