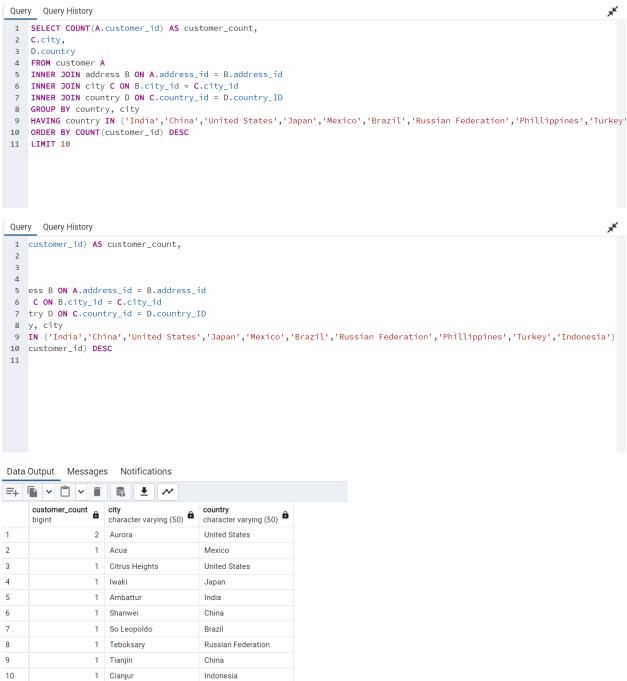1.a

1.b I found the connection keys between the customer and country tables that would help connect both tables. Then I found which columns were necessary for my table to show the results I wanted to present which was customer count grouped by country. The other requirement for this table was that it needed to be limited to the top 10 so I made the order descending and limited to 10.

2.a

Query Query History

```
1   SELECT COUNT(A.customer_id) AS customer_count,
2   C.city,
3   D.country
4   FROM customer A
5   INNER JOIN address B ON A.address_id = B.address_id
6   INNER JOIN city C ON B.city_id = C.city_id
7   INNER JOIN country D ON C.country_id = D.country_ID
8   GROUP BY country, city
9   HAVING country IN ('India','China','United States','Japan','Mexico','Brazil','Russian Federation','Phillippines','Turkey'
10  ORDER BY COUNT(customer_id) DESC
11  LIMIT 10
```

Query Query History

```
1   customer_id) AS customer_count,
2
3
4
5   ess B ON A.address_id = B.address_id
6    C ON B.city_id = C.city_id
7   try D ON C.country_id = D.country_ID
8   y, city
9   IN ('India','China','United States','Japan','Mexico','Brazil','Russian Federation','Phillippines','Turkey','Indonesia')
10  customer_id) DESC
11
```

Data Output Messages Notifications

	customer_count bigint	city character varying (50)	country character varying (50)
1	2	Aurora	United States
2	1	Acua	Mexico
3	1	Citrus Heights	United States
4	1	Iwaki	Japan
5	1	Ambattur	India
6	1	Shanwei	China
7	1	So Leopoldo	Brazil
8	1	Teboksary	Russian Federation
9	1	Tianjin	China
10	1	Cianjur	Indonesia

2.b I looked at the previous table and used the countries from that and had my query only look at solely cities from those countries. Then I made the order ascending based on the number of customers and limited it to the top 10.

3.a

Query   Query History

```sql
1  ECT SUM(A.amount) AS "total amount paid",
2  ustomer_id,
3  irst_name,
4  ast_name,
5  ity,
6  ountry
7  M payment A
8  ER JOIN customer B ON A.customer_id = B.customer_id
9  ER JOIN address C ON B.address_id = C.address_id
10 ER JOIN city D ON C.city_id = D.city_id
11 ER JOIN country E ON D.country_id = E.country_ID
12 UP BY A.customer_id,
13 irst_name,
14 ast_name,
15 ity,
16 ountry
17 ING city IN ('Aurora','Acua','Citrus Heights','Iwaki','Ambattur','Shanwei','So Leopoldo','Teboksary','Tianjin','Cianjur')
18 ER BY "total amount paid" DESC
19 IT 5
```

Data Output   Messages   Notifications

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