



Q2- Write a query to identify the top 10 cities that fall within the top 10 countries you identified in step 1.

Query Query History

```

1 SELECT city, country, COUNT(customer_id) AS count_of_customer
2 FROM customer
3 INNER JOIN address ON customer.address_id = address.address_id
4 INNER JOIN city ON address.city_id = city.city_id
5 INNER JOIN country ON city.country_id = country.country_id
6 WHERE country IN ('India', 'China', 'United States', 'Japan', 'Mexico', 'Brazil', 'Russian Federation', 'Philippines', 'Turkey', 'Indonesia')
7 GROUP BY city, country
8 ORDER BY count_of_customer DESC
9 LIMIT 10

```

Data Output Messages Notifications

	city character varying (50)	country character varying (50)	count_of_customer bigint
1	Aurora	United States	2
2	Atlixco	Mexico	1
3	Xintai	China	1
4	Adoni	India	1
5	Dhule (Dhulia)	India	1
6	Kurashiki	Japan	1
7	Pingxiang	China	1
8	Sivas	Turkey	1
9	Celaya	Mexico	1
10	So Leopoldo	Brazil	1

Previous query results listed top 10 countries by customer count. In this query I need to find top cities within those countries. I used the WHERE clause to filter countries listed in Step 1. I used GROUP BY to count the number of customers per city and ORDER BY to sort them. I limited the results to the top 10 cities.

Q3 - Write a query to find the top 5 customers from the top 10 cities who've paid the highest total amounts to Rockbuster.

Query Query History

```

1 SELECT customer.customer_id, customer.first_name, customer.last_name, country.country, city.city,
2 SUM (payment.amount) AS total_amount_paid
3 FROM customer
4 INNER JOIN payment ON customer.customer_id = payment.customer_id
5 INNER JOIN address ON customer.address_id = address.address_id
6 INNER JOIN city ON address.city_id = city.city_id
7 INNER JOIN country ON city.country_id = country.country_id
8 WHERE city.city IN ('Aurora', 'Atlixco', 'Xintai', 'Adoni', 'Dhule (Dhulia)', 'Kurashiki', 'Pingxiang', 'Sivas',
9 'Celaya', 'So Leopoldo')
10 AND country.country IN ('India', 'China', 'United States', 'Japan', 'Mexico', 'Brazil', 'Russian Federation',
11 'Philippines', 'Turkey', 'Indonesia')
12 GROUP BY customer.customer_id, customer.first_name, customer.last_name, city.city, country.country
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)	country character varying (50)	city character varying (50)	total_amount_paid numeric
1	84	Sara	Perry	Mexico	Atlixco	128.70
2	518	Gabriel	Harder	Turkey	Sivas	108.75
3	587	Sergio	Stanfield	Mexico	Celaya	102.76
4	537	Clinton	Buford	United States	Aurora	98.76
5	367	Adam	Gooch	India	Adoni	97.80

Showing rows: 1 to 5