



Rockbuster/postgres@PostgreSQL 13 ▾

[Query Editor](#) [Query History](#)

```
1 SELECT COUNT (A.customer_id) AS customer_count,  
2     D.country  
3 FROM customer A  
4 INNER JOIN address B ON A.address_id = B.address_id  
5 INNER JOIN city C ON B.city_id = C.city_id  
6 INNER JOIN country D ON C.country_id = D.country_id  
7 GROUP BY country  
8 ORDER BY customer_count DESC  
9 LIMIT 10|
```

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	customer_count bigint	country character varying (50)	
1	60	India	
2	53	China	
3	36	United States	
4	31	Japan	
5	30	Mexico	
6	28	Brazil	
7	28	Russian Federation	
8	20	Philippines	
9	15	Turkey	
10	14	Indonesia	

I used DbVisualizer to create a roadmap from how to get to “customer” table to the “country” table. From there it was just a matter of connecting the primary keys and using Inner Join to make them all fit together.



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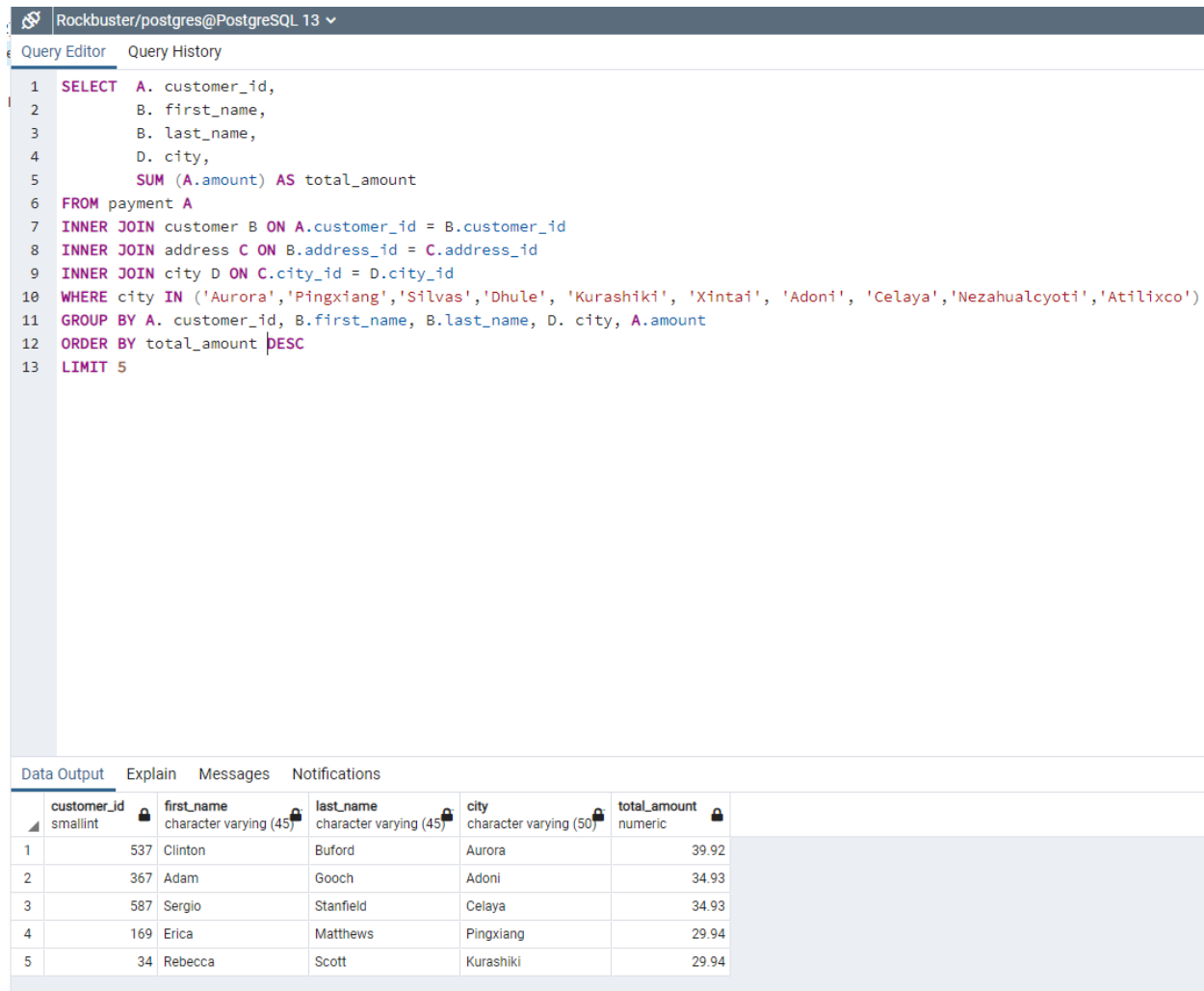
[Query Editor](#) [Query History](#)

```
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 WHERE country IN ('India',
9                  'China',
10                 'United States',
11                 'Japan',
12                 'Mexico',
13                 'Brazil',
14                 'Russian Federation',
15                 'Phillippines',
16                 'Turkey',
17                 'Indonesia')
18 GROUP BY city, country
19 ORDER BY customer_count DESC
20 LIMIT 10
```

[Data Output](#) [Explain](#) [Messages](#) [Notifications](#)

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

Using the IN statement in order to limit the number of countries that were scanned. Was surprised to find that there was only one city that had multiple customers. Tinkered with the code a bit and just got different cities with a population of 1. Aurora was always at the top.



The screenshot shows a PostgreSQL query editor with a query that selects customer information and the total amount paid, filtered by specific cities. The results table shows five customers, with Aurora being the highest total amount paid.

```
1 SELECT A. customer_id,
2       B. first_name,
3       B. last_name,
4       D. city,
5       SUM (A.amount) AS total_amount
6 FROM payment A
7 INNER JOIN customer B ON A.customer_id = B.customer_id
8 INNER JOIN address C ON B.address_id = C.address_id
9 INNER JOIN city D ON C.city_id = D.city_id
10 WHERE city IN ('Aurora','Pingxiang','Silvas','Dhule', 'Kurashiki', 'Xintai', 'Adoni', 'Celaya','Nezahualcyoti','Atlixco')
11 GROUP BY A. customer_id, B.first_name, B.last_name, D. city, A.amount
12 ORDER BY total_amount DESC
13 LIMIT 5
```

	customer_id	first_name	last_name	city	total_amount
1	537	Clinton	Buford	Aurora	39.92
2	367	Adam	Gooch	Adoni	34.93
3	587	Sergio	Stanfield	Celaya	34.93
4	169	Erica	Matthews	Pingxiang	29.94
5	34	Rebecca	Scott	Kurashiki	29.94

Same as the previous question, but had to insert the SUM(function in order to get the total amount each person paid.