Query 1:

SELECT D.country, COUNT(customer_id) AS Count_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 country

ORDER BY COUNT(customer id) DESC

LIMIT 10

India	China	U.S.	Japan	Mexico	Brazil	Russia	Philippines	Turkey	Indonesia
60	53	36	31	30	28	28	20	15	14

Let's go from top to bottom. I was trying to find out the top 10 countries our customers come from. So the only things I needed to find for this query are the countries, and the number of customers. To do this though I needed to connect 4 different tables in order to link those two values tugether. I then grouped the graph by country, so as to combine all the customers into defined groups. And finally I arranged the graph in descending order by the number of customers within a country, as well as limiting the query to the 10 highest results to make the top 10 list.

Query 2:

SELECT C.city, D.country, COUNT(customer_id) AS Count_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 city, country

HAVING D.country IN('India', 'China', 'United States', 'Japan', 'Mexico', 'Brazil', 'Russian Federation', 'Philippines', 'Turkey', 'Indonesia')

ORDER BY COUNT(customer_id) DESC

LIMIT 10

Aurora	Atlixco	Xintai	Adoni	Dhule (Dhulia)
U.S.	Mexico	China	India	India
2	1	1	1	1

Kurashiki	Pingxiang	Sivas	Celaya	So Leopoldo
Japan	China	Turkey	Mexico	Brazil
1	1	1	1	1

For this next query of finding the top 10 cities within the top 10 countries, I decided to merely edit the query I already had instead of making a new one from scratch. First I added city into the SELECT and GROUP BY sections to add it to the graph. And then I added a HAVING IN command so that only the countries from the last query would show up for this one too. I kept everything else the same.

Query 3:

SELECT B.customer_id, B.first_name, B.last_name, E.country, D.city, COUNT(amount) AS Total_amount_paid

FROM payment A

INNER JOIN customer B ON A.customer_id = B.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

GROUP BY B.customer_id, B.first_name, B.last_name, E.country, D.city

HAVING D.city IN('Aurora', 'Atlixco', 'Xintai', 'Adoni', 'Dhule (Dhulia)', 'Kurashiki', 'Pingxiang', 'Sivas', 'Celaya', 'So Leopoldo')

ORDER BY COUNT(amount) DESC

LIMIT 5

ld # 84	ld # 518	ld # 537	ld # 587	ld # 34
Sara	Gabriel	Clinton	Sergio	Rebecca
Perry	Harder	Buford	Stanfield	Scott

Mexico	Turkey	U.S.	Mexico	Japan
Atlixco	Sivas	Aurora	Celaya	Kurashiki
30	25	24	24	24