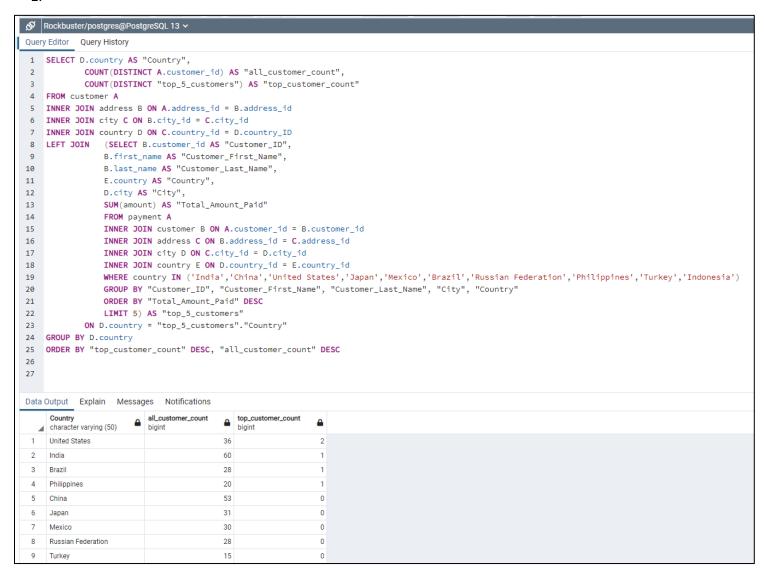
```
Rockbuster/postgres@PostgreSQL 13 >
Query Editor
            Query History
    SELECT "Customer_ID",
1
2
             "Customer_First_Name",
 3
             "Customer_Last_Name",
4
             "City",
 5
              "Country",
 6
              "Total_Amount_Paid",
             AVG("Total_Amount_Paid") AS "Average_Amount_Paid"
 7
8
    FROM
9
         (SELECT B.customer_id AS "Customer_ID",
10
                  B.first_name AS "Customer_First_Name",
11
                  B.last_name AS "Customer_Last_Name",
12
                  E.country AS "Country",
                  D.city AS "City",
13
14
                  SUM(amount) AS "Total_Amount_Paid"
15
         FROM payment A
16
         INNER JOIN customer B ON A.customer_id = B.customer_id
17
         INNER JOIN address C ON B.address_id = C.address_id
18
         INNER JOIN city D ON C.city_id = D.city_id
19
         INNER JOIN country E ON D.country_id = E.country_id
         WHERE country IN ('India','China','United States','Japan','Mexico','Brazil','Russian Federation','Philippines','Turkey','Indonesia')
20
         GROUP BY "Customer_ID", "Customer_First_Name", "Customer_Last_Name", "City", "Country"
21
         ORDER BY "Total_Amount_Paid" DESC
22
23
         LIMIT 5) AS "subquery"
    GROUP BY "Customer_ID", "Customer_First_Name", "Customer_Last_Name", "City", "Country", "Total_Amount_Paid"
24
25
    ORDER BY "Total_Amount_Paid" DESC
26
Data Output Explain Messages Notifications
                                                                                                                                 Average_Amount_Paid
               △ Customer_First_Name character varying (45)
   Customer_ID
                                                                                                               Total_Amount_Paid
                                         Customer_Last_Name
                                                                 City
                                                                                        Country
                                         character varying (45)
                                                                 character varying (50)
                                                                                        character varying (50)
                                                                                                                             208.58
                                                                                                                                        208.58000000000000000
              526 Karl
                                          Seal
                                                                 Cape Coral
                                                                                        United States
2
              178 Marion
                                                                                                                             194.61
                                                                                                                                        194 6100000000000000
                                          Snyder
                                                                 Santa Brbara dOeste
                                                                                        Brazil
3
              181 Ana
                                          Bradley
                                                                 Memphis
                                                                                        United States
                                                                                                                             167.67
                                                                                                                                        167.67000000000000000
4
                                                                                                                                        166.61000000000000000
              236 Marcia
                                         Dean
                                                                 Tanza
                                                                                        Philippines
                                                                                                                             166.61
5
              403 Mike
                                          Way
                                                                 Valparai
                                                                                        India
                                                                                                                             162.67
                                                                                                                                        162.67000000000000000
```



3. I think these could be done without subqueries because the inner and outer statements reference the same tables and data. It seems like the more straightforward approach would be to use common able expressions in place of subqueries. There are situations where subqueries can be useful. For example, if we needed to look at individual customer payments as well as the average payment of all customers, in order to find the customers who have below-average payments.