Find the average amount paid by the top 5 customers

WITH average_amount_paid_cte (customer_id, first_name, last_name, city, country, total_payment)

　　　AS (SELECT a. customer_id, a.first_name, a.last_name, c.city, d.country, SUM(e.amount AS total_payment)

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

INNER JOIN payment e ON a.customer_id = e.customer_id

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

GROUP BY a.customer_id, c.city, d.country

ORDER BY SUM (e.amount) DESC

LIMIT 5)

SELECT AVG(total_payment) AS average_amount_paid

FROM average_amount_paid_cte

Find out how many of the top 5 customers are based within each country

WITH top_customer_count_cte (amount, customer_id, first_name, last_name, city, country, total_payment)

　　　AS (SELECT e.amount, a. customer_id, a.first_name, a.last_name, c.city, d.country, SUM(amount) AS total_payment)

FROM customer a

LEFT JOIN address b ON a.address_id = b.address_id

LEFT JOIN city c ON b.city_id = c.city_id

LEFT JOIN country d ON c.country_id = d.country_id

LEFT JOIN payment e ON a.customer_id = e.customer_id

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

GROUP BY e.amount, a.customer_id, a.first_name, a.last_name, c.city, d.country

ORDER BY SUM (amount) DESC LIMIT 5),

customer_count_cte AS (SELECT d.country, COUNT(DISTINCT a.customer_id) AS all_customer_count, COUNT(DISTINCT d.country) AS top_customer_count

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

INNER JOIN payment e ON a.customer_id = e.customer_id

GROUP BY d.country)

SELECT d.country, COUNT(DISTINCT a.customer_id) AS all_customer_count, COUNT(DISTINCT top_customer_count_cte.customer_id) AS top_customer_count

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

INNER JOIN payment e ON a.customer_id = e.customer_id

LEFT JOIN top_customer_count_cte ON d.country = top_customer_count_cte.country

GROUP BY d.country

ORDER BY all_customer_count DESC LIMIT 5