Find the average amount paid by the top 5 customers

SELECT AVG(total_payment.total_payment) AS average_amount_paid

FROM (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 total_payment DESC

LIMIT 5) AS total_payment

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

SELECT d.country,

COUNT(DISTINCT a.customer_id) AS all_customer_count,

COUNT(DISTINCT top_5_customers) AS top_customer_count

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

LEFT JOIN (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 total_payment DESC

LIMIT 5) AS top_5_customers ON a.customer_id = top_5_customers.customer_id

GROUP BY d.country

ORDER BY all_customer_count DESC LIMIT 5