Question that anyone wants to know about domain

1. Most expensive taco

SELECT name

FROM taco

WHERE price = (SELECT MAX(price) FROM taco)

name

Crunchwrap Superme

Total no. of rows = 1

2. Least expensive taco

SELECT name

FROM taco

WHERE price = (SELECT MIN(price) FROM taco)

name

spicy potato soft taco

Total no. of rows = 1

3. Employee name who attended maximum number of customers (orders)

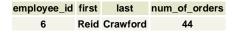
SELECT E.employee_id, E.first, E.last, COUNT(O.order_id) AS num_of_orders

FROM taco_cart.employee E

JOIN taco_cart.taco_order O ON E.employee_id = O.employee_id

GROUP BY E.employee_id, E.first, E.last

HAVING COUNT(O.order_id) =(select max(count) from (select employee_id, count(order_id) as count from taco_cart.taco_order group by employee_id) as count)



4. Employee name who attended least number of customer (order)

SELECT E.employee_id, E.first, E.last, COUNT(O.order_id) AS sales
FROM taco_cart.employee E

JOIN taco_cart.taco_order O ON E.employee_id = O.employee_id

GROUP BY E.employee_id

HAVING COUNT(O.order_id) = (SELECT min(count) FROM

(SELECT COUNT(order_id) FROM taco_cart.taco_order

GROUP BY employee_id) AS count);



Total no. of rows = 1

5. Employee with highest sales (amount) Most valuable employee

SELECT E.employee_id, E.first, E.last, sum(P.total_price) AS sales

FROM taco_cart.employee E

JOIN taco_cart.taco_order O ON E.employee_id = O.employee_id

JOIN taco_cart.payment P ON O.payment_id = P.payment_id

GROUP BY E.employee_id

HAVING SUM(P.total_price) = (SELECT MAX(sum) FROM

(SELECT sum(P.total_price)FROM taco_cart.employee E

JOIN taco_cart.taco_order O ON E.employee_id = O.employee_id

JOIN taco_cart.payment P ON O.payment_id = P.payment_id

GROUP BY E.employee_id) as sum)



6. Employee with least sales (amount)

SELECT E.employee_id, E.first, E.last, sum(P.total_price) AS sales

FROM taco_cart.employee E

JOIN taco_cart.taco_order O ON E.employee_id = O.employee_id

JOIN taco_cart.payment P ON O.payment_id = P.payment_id

GROUP BY E.employee_id

HAVING SUM(P.total_price) = (SELECT MIN(sum) FROM

(SELECT sum(P.total_price)FROM taco_cart.employee E

JOIN taco_cart.taco_order O ON E.employee_id = O.employee_id

JOIN taco_cart.payment P ON O.payment_id = P.payment_id

GROUP BY E.employee_id) as sum)



Total no. of rows = 1

7. List of customers and their frequency of orders

SELECT C.customer_id, C.first, COUNT(O.order_id) AS orders FROM taco_cart.customer C

JOIN taco_cart.taco_order O ON O.customer_id = C.customer_id

GROUP BY C.customer_id

customer_id	first	orders
15	Nicholas	12
12	Leonardo	14
19	Victor	12
14	Adrianna	15
17	Connie	12
20	Naomi	13
13	Valeria	14
18	Chloe	14
16	Miller	14
11	Caroline	13

8. Most valuable customer (customer with highest (sum of all order's total price)

SELECT C.customer_id, C.first, C.last, sum(P.total_price) AS num_of_orders

FROM taco_cart.customer C

JOIN taco_cart.taco_order O On O.customer_id = C.customer_id

JOIN taco cart.payment P on P.payment id = O.payment id

GROUP BY C.customer id, C.first, C.last

HAVING sum(P.total_price) = (SELECT MAX(sum) FROM

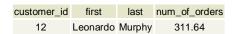
(SELECT SUM(P.total_price) FROM taco_cart.customer C

JOIN taco_cart.taco_order O ON O.customer_id = C.customer_id

JOIN taco_cart.payment P ON P.payment_id = O.payment_id

GROUP BY Countemer_id \ AS cum)

GROUP BY C.customer_id) AS sum)



Total no. of rows = 1

9. Ingredient most used in Tacos

SELECT I.name, COUNT(T.taco_id) as count FROM taco_cart.taco_ingredient T JOIN taco_cart.ingredient I ON I.ingredient_id = T.ingredient_id GROUP BY I.name

ORDER BY count desc LIMIT 1

	name	count
cheese		15

Total no. of rows = 1

10. Ingredient least used

SELECT I.name, COUNT(T.taco_id) as count FROM taco_cart.taco_ingredient T JOIN taco_cart.ingredient I ON I.ingredient_id = T.ingredient_id GROUP BY I.name
ORDER BY count asc LIMIT 1 order by count asc limit 1

	name	count
crispy shell		2

11. Date of highest sales

SELECT O.order_date, SUM(P.total_price) AS sum FROM taco_cart.taco_order O
JOIN taco_cart.payment P ON P.payment_id = O.payment_id
GROUP BY O.order_date
ORDER BY sum desc limit 1

order_date sum 2020-04-17 227.41

Total no. of rows = 1

12. Most frequent mode of payment

SELECT method, COUNT(payment_id)
FROM taco_cart.payment
GROUP BY method
HAVING COUNT(payment_id) = (SELECT MAX(count) FROM (SELECT COUNT(payment_id)
FROM taco_cart.payment GROUP BY method) AS count)

method count card 94

Total no. of rows = 1

13. Who tends to buy frequently at Taco Cart, Male or female (customers)?

SELECT C.gender,count(O.order_id)
FROM taco_cart.customer C

JOIN taco_cart.taco_order O ON O.customer_id = C.customer_id
GROUP BY C.gender

HAVING COUNT (O.order_id) = (SELECT MAX(count) FROM

(SELECT COUNT(O.order_id) FROM taco_cart.customer C
JOIN taco_cart.taco_order O ON O.customer_id = C.customer_id
GROUP BY C.gender) AS count)

gender countFemale 81

14. Who tends to sell more male or female (employees)

gender	count
Male	101

Total no. of rows = 1

15. Number of orders for each payment type

SELECT method, COUNT(payment_id)
FROM taco_cart.payment
GROUP BY method

method	count
cash	23
check	16
card	94

16. Top #3 Customer name who have eaten most number of tacos

SELECT C.first, COUNT(OT.quantity) AS count
FROM taco_cart.taco_order O

JOIN taco_cart.customer C ON O.customer_id = C.customer_id

JOIN taco_cart.order_taco_map OT ON O.order_id = OT.order_id

GROUP BY C.customer_id

ORDER BY count desc limit 3

first	count
Adrianna	32
Leonardo	31
Valeria	31

Total no. of rows = 3

17. Ingredient most used

SELECT I.name, COUNT(T.taco_id) AS count FROM taco_cart.taco_ingredient T JOIN taco_cart.ingredient I ON I.ingredient_id = T.ingredient_id GROUP BY I.name

ORDER BY count desc limit 1

	name	count
cheese		15

Total no. of rows = 1

18. Most expensive non taco

SELECT name

FROM non_taco

WHERE price = (SELECT MAX(price) FROM non_taco);

name Beer

19. Ingredient least used

SELECT I.name, COUNT(T.taco_id) AS count
FROM taco_cart.taco_ingredient T
JOIN taco_cart.ingredient I ON I.ingredient_id = T.ingredient_id
GROUP BY I.name
ORDER BY count asc LIMIT 1

	name	count
crispy shell		2

Total no. of rows = 1

20. Least expensive non taco

SELECT name
FROM non_taco
WHERE price = (SELECT MIN(price) FROM non_taco);

	name	
Water Bottle (500ml)		