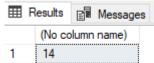
FAASOS ROLLS SALES

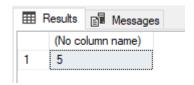
1. How many rolls were ordered?

```
SELECT count(roll_id)
    FROM customer_orders
```

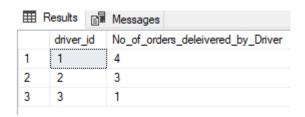


2. How many unique customer orders were made?

```
SELECT count(DISTINCT customer_id)
    FROM customer_orders
```



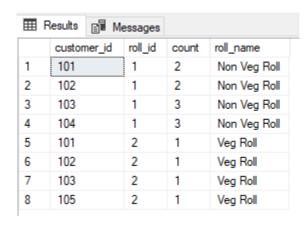
3. How many successful orders were delivered by each driver?



4. How many of each type of roll was delivered?

	roll_name	roll_id	(No column name)
1	Non Veg Roll	1	9
2	Veg Roll	2	3

5. How many veg and Non veg rolls were ordered by each customer?



6. What was the maximum number of rolls delivered in a single order?



```
7. For each customer, how many delivered rolls had at least 1 change
   and how many had no change?
WITH temp_customer_orders (order_id,
        customer_id,
        roll id,
        not_include_items,
        extra_items_included,
        order_date) as
SELECT order_id,
        customer_id,
        roll_id,
    CASE
    WHEN not_include_items is null
        OR not_include_items = ' ' THEN
    ELSE not_include_items
    END AS new_not_include_items,
    CASE
    WHEN extra_items_included is null
        OR extra_items_included = ' '
        OR extra_items_included = 'NaN' THEN
     '0'
    ELSE
extra_items_included
    END as
new_extra_items_included,order_date
    FROM customer_orders
),
temp_driver_order (order_id,
        driver_id,
        pickup_time,
        distance,
        duration,
        new_cancellation) as
SELECT order_id,
        driver id,
        pickup_time,
        distance,
        duration,
    WHEN cancellatiON IN ('Cancellation', 'Customer Cancellation') THEN
    0
    ELSE 1
    END AS new_cancellation
FROM driver_order
SELECT customer_id,
        chg_no_chg,
```

count(order_id) at_least_one_change from

==	Results 📳 M	essages	
	customer_id	chg_no_chg	at_least_one_change
1	103	change	3
2	104	change	2
3	105	change	1
4	101	no change	2
5	102	no change	3
6	104	no change	1

8. How many rolls were delivered that had both exclusions and extras?

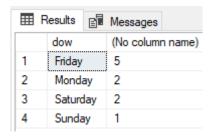
```
WITH temp_customer_orders (order_id,
        Customer_id,
        roll_id,
        not_include_items,
        extra_items_included,
        order_date)
as
(SELECT order id,
        customer_id,
        roll_id,
    CASE
    WHEN not_include_items is null
        OR not_include_items = ' ' THEN
    ELSE not_include_items
    END
AS new_not_included_items,
    CASE
    WHEN extra_items_included is null
        OR extra_items_included = 'NaN'
        OR extra_items_included = ' '
    ELSE extra_items_included end
AS new_extra_items_included,
        order_date
FROM customer_orders),
temp_driver_order (order_id,
        driver_id,
        pickup_time,
        distance,
        duration,
        new_cancellation) as
(SELECT order_id,
        driver_id,
        pickup_time,
        distance,
        duration,
    CASE
    WHEN cancellatioN IN ('cancellation', 'Customer Cancellation') THEN
    '0'
    ELSE 1
    END as
new_cancellation
    FROM driver_order)
SELECT chg_no_chg,
        count(chg_no_chg) from
```

	Results	el Me	essages	
	chg_no_chg		(No column name)	
1	both ir	пс ехс		1
2	either	1 inc	OR exc	11

9. What was the total number of rolls ordered for each hour of the day?

⊞ Results			
	hours_bucket	(No column name)	
1	11-12	1	
2	13-14	3	
3	18-19	3	
4	19-20	1	
5	21-22	3	
6	23-24	3	

10. What was the number of orders for each day of the week?



11. What was the average time in minutes it took for each driver to arrive at the fasoos HQ to pickup the order?

```
SELECT driver_id,
        sum(diff)/count(order_id) avg_mins from
(SELECT * from
(SELECT *,
        row_number() over(partitiON by order_id
ORDER BY diff) rnk from
(SELECT a.order_id,
        a.customer id,
        a.roll_id,
        a.not_include_items,
        a.extra_items_included,
        a.order_date,
b.driver_id,
        b.pickup_time,
        b.distance,
        b.duration,
        b.cancellation,
        DATEDIFF(minute,
        a.order_date,
        b.pickup_time) diff
FROM customer_orders a
JOIN driver_order b
    ON a.order_id = b.order_id
WHERE b.pickup_time is NOT null)a)b
   WHERE rnk =1)c
GROUP BY driver_id
```

Results Messages

avg_mins

14

20

10

driver_id

1

2

3

1

2

3

12. Is there any relationship between the number of rolls and how long the order takes to prepare?

```
SELECT order_id,
        count(roll_id) cnt,
        sum(diff)/count(roll_id) tmt from
(SELECT a.order_id,
        a.customer_id,
        a.roll id,
        a.not_include_items,
        a.extra_items_included,
        a.order_date,
b.driver_id,
        b.pickup_time,
        b.distance,
        b.duration,
        b.cancellation,
        DATEDIFF(minute,
        a.order_date,
        b.pickup_time) diff
FROM customer_orders a
JOIN driver_order b
    ON a.order_id = b.order_id
WHERE b.pickup_time is NOT null)a
GROUP BY order_id
```

==	Results 🖺	Mes	sages
	order_id	cnt	tmt
1	1	1	10
2	2	1	10
3	3	2	21
4	4	3	30
5	5	1	10
6	7	1	10
7	8	1	21
8	10	2	16

```
SELECT customer_id,
        sum(distance)/count(order_id) avg_distance from
(SELECT * from
(SELECT *,
        row_number() over(partitiON by order_id
ORDER BY diff) rnk from
(SELECT a.order_id,
        a.customer_id,
        a.roll id,
        a.not include items,
        a.extra_items_included,
        a.order_date,
b.driver id,
        b.pickup time,
cast(trim(replace(lower(b.distance),
        'km',
        '')) AS decimal(4,
        2)) distance
        b.duration,
        b.cancellation,
        DATEDIFF(minute,
        a.order_date,
        b.pickup_time) diff
FROM customer_orders a
JOIN driver_order b
    ON a.order_id = b.order_id
WHERE b.pickup_time is NOT null)a)b
    WHERE rnk =1)c
GROUP BY customer_id
```

III	Results 📳	Messages
	customer_id	avg_distance
1	101	20.000000
2	102	18.400000
3	103	23.400000
4	104	10.000000
5	105	25.000000

14. What is the difference between the longest and shortest delivery times for all orders?

```
SELECT max(duration) - min(duration) diff from

(SELECT cast(
    CASE
    WHEN duratiON LIKE '%min%' THEN
    left(duration, charindex('m',duration)-1)else

duration
    END AS integer) AS duratiON from

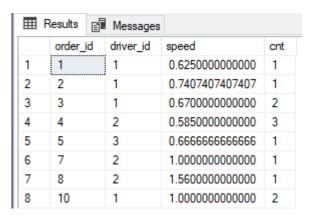
driver_order
    WHERE duratiON is NOT null)a
```

30

1

15. What was the average speed for each driver for each delivery and do you notice any trends for these values?

```
SELECT a.order_id,
        a.driver id,
        a.distance/a.duratiON speed,
        b.cnt from
(SELECT order_id,
        driver id,
        CAST(trim(replace(lower(distance),
        '')) AS decimal(4,
        2)) distance
        cast(
   CASE
   WHEN duratiON LIKE '%min%' THEN
    left(duration, charindex('m', duration)-1)else
duration
    END AS integer) AS duration
    FROM driver_order
   WHERE distance is NOT null)a inner join
(SELECT order id,
        count(roll_id)cnt
    FROM customer orders
    GROUP BY order_id)b
    ON a.order_id = b.order_id
```



16. What is the successful delivery percentage for each driver?

⊞ F	Results		Messages
	driver	id	cancelled_per
1	1		100.000000000000
2	2		75.000000000000
3	3		50.000000000000