BURGER BASH CASE STUDY

1. How many burgers were ordered?

select count(*) as "No. of Orders" from runner_orders;

```
MariaDB [burger_bash]> select count(*) as "No. of Orders" from runner_orders;
+---------------+
| No. of Orders |
+---------------+
|            10 |
+---------------+
```

2. How many unique customer orders were made?

select count(distinct customer_id) as "No. of Unique Customers " from customer_
orders;

```
MariaDB [burger_bash]> select count(distinct customer_id) as "No. of Unique Customers " from cus
tomer_orders;
+-------------------------+
| No. of Unique Customers  |
+-------------------------+
|                       5 |
+-------------------------+
```

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

select runner_id, count(order_id) as "Successful Orders"
from runner_orders
where cancellation is NULL
group by runner_id;

```
MariaDB [burger_bash]> select runner_id, count(order_id) as "Successful Orders"
    ->      from runner_orders
    ->      where cancellation is NULL
    ->      group by runner_id;
+-----------+-------------------+
| runner_id | Successful Orders |
+-----------+-------------------+
|         1 |                 4 |
|         2 |                 3 |
|         3 |                 1 |
+-----------+-------------------+
```

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

SELECT p.burger_name, COUNT(c.burger_id) AS Delivered_burger_count
FROM customer_orders c
INNER JOIN runner_orders r ON c.order_id = r.order_id
INNER JOIN burger_names p ON c.burger_id = p.burger_id
GROUP BY p.burger_name;

```
MariaDB [burger_bash]> SELECT p.burger_name, COUNT(c.burger_id) AS Delivered_burger_count
    ->      FROM customer_orders c
    ->      INNER JOIN runner_orders r ON c.order_id = r.order_id
    ->      INNER JOIN burger_names p ON c.burger_id = p.burger_id
    ->      GROUP BY p.burger_name;
+-------------+------------------------+
| burger_name | Delivered_burger_count |
+-------------+------------------------+
| Meatlovers  |                     10 |
| Vegetarian  |                      4 |
+-------------+------------------------+
```

5. How many Vegetarian and Meatlovers were ordered by each customer?

```
select c.customer_id,b.burger_name , count(b.burger_name) as "No. of Orders"
   from customer_orders c
   inner join burger_names b
   on c.burger_id = b.burger_id
   group by c.customer_id, b.burger_name;
```

```
MariaDB [burger_bash]> select c.customer_id,b.burger_name , count(b.burger_name) as "No. of Orders"
    ->      from customer_orders c
    ->      inner join burger_names b
    ->      on c.burger_id = b.burger_id
    ->      group by c.customer_id, b.burger_name;
+-------------+-------------+---------------+
| customer_id | burger_name | No. of Orders |
+-------------+-------------+---------------+
|         101 | Meatlovers  |             2 |
|         101 | Vegetarian  |             1 |
|         102 | Meatlovers  |             2 |
|         102 | Vegetarian  |             1 |
|         103 | Meatlovers  |             3 |
|         103 | Vegetarian  |             1 |
|         104 | Meatlovers  |             3 |
|         105 | Vegetarian  |             1 |
+-------------+-------------+---------------+
```

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

```
WITH burger_count AS (
      SELECT c.order_id, COUNT(c.burger_id) AS Burger_per_order
      FROM customer_orders c
      INNER JOIN runner_orders r ON c.order_id = r.order_id
      WHERE r.distance != 0
      GROUP BY c.order_id
)
   SELECT MAX(Burger_per_order) AS burger_count
   FROM burger_count;
```

```
MariaDB [burger_bash]> WITH burger_count AS (
    ->          SELECT c.order_id, COUNT(c.burger_id) AS Burger_per_order
    ->          FROM customer_orders c
    ->          INNER JOIN runner_orders r ON c.order_id = r.order_id
    ->          WHERE r.distance != 0
    ->          GROUP BY c.order_id
    -> )
    ->      SELECT MAX(Burger_per_order) AS burger_count
    ->      FROM burger_count;
+--------------+
| burger_count |
+--------------+
|            3 |
+--------------+
```

7.What was the average distance travelled for each customer?

select c.customer_id, avg(r.distance) as Average_distance

from customer_orders c

inner join runner_orders r

on c.order_id = r.order_id

where r.duration!=0

group by c.customer_id;

```
MariaDB [burger_bash]> select c.customer_id, avg(r.distance) as Average_distance
    ->      from customer_orders c
    ->      inner join runner_orders r
    ->      on c.order_id = r.order_id
    ->      where r.duration!=0
    ->      group by c.customer_id;
+-------------+--------------------+
| customer_id | Average_distance   |
+-------------+--------------------+
|         101 |                 20 |
|         102 | 16.733333333333334 |
|         103 | 23.399999999999995 |
|         104 |                 10 |
|         105 |                 25 |
+-------------+--------------------+
```