/*

Error handling where empty string replacing with null

--UPDATE customer_orders SET extras = NULL WHERE extras = ''

--UPDATE customer_orders SET exclusions = NULL WHERE exclusions = ''

```
CREATE TEMP TABLE temp_customer_orders AS
SELECT
  order_id,
  customer_id,
  pizza_id,
  CASE
        WHEN exclusions IS null OR exclusions LIKE 'null'  Or  exclusions LIKE '  ' THEN Null
        ELSE exclusions
        END AS exclusions,
  CASE
        WHEN extras IS NULL or extras LIKE 'null' or  extras LIKE '  ' THEN  Null
        ELSE extras
        END AS extras,
       order_time
```

```
FROM customer_orders;

*/
```

1. How many pizzas were ordered?

```
select count(*)

From customer_orders
```

2. How many unique customer orders were made?

```
select count(distinct order_id)

From customer_orders
```

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

select runner_id, count(order_id)

From temp_runners_orders

where cancellation not like'%cancellation%'

group by runner_id
```

```
--4.How many of each type of pizza was delivered?
```

```
SELECT p.pizza_name,count(p.pizza_id) as delivered

From customer_orders_temp as c

Join temp_runners_orders as r

Using(order_id)

Join pizza_names as p

On c.pizza_id = p.pizza_id

where duration !=0

GROUP By p.pizza_name



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



SELECT   c.customer_id,p.pizza_name,count(p.pizza_id) as delivered

From customer_orders_temp as c

Join temp_runners_orders as r

Using(order_id)
```

```
Join pizza_names as p

On c.pizza_id = p.pizza_id

GROUP By p.pizza_name,c.customer_id

Order by c.customer_id
```

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

```
Select r.order_id,count(pizza_id) as delivered

From customer_orders_temp_n as c

Join runner_orders as r

Using (order_id)

Where duration!=0

Group By r.order_id

Order By delivered desc
```

--7.For each customer, how many delivered pizzas had at least 1 change and how many had no changes?

```
Select c.customer_id,
        count(pizza_id) as delivered,exclusions, extras,
        Case
        When exclusions is not null or extras is not null then 'At Least 1 Chnage'
        Else 'No Changes' End As Chnages
From temp_customer_orders as c
Join runner_orders as r
Using (order_id)
Where duration!=0
Group By c.customer_id
Order By c.customer_id
```

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

```
SELECT c.order_id,sum(Case When exclusions is not null and extras is not null
then 1

Else 0 End) as with_chnages

From temp_customer_orders as c

Join runner_orders

using(order_id)

Where duration!=0



--9.What was the total volume of pizzas ordered for each hour of the day?



SELECT

  strftime('%H', order_time) AS hour_of_day,

  COUNT(order_id) AS pizza_count

FROM temp_customer_orders

GROUP BY hour_of_day

Order by pizza_count desc
```

```
--10.What was the volume of orders for each day of the week?

With days As(

SELECT

  strftime('%w', order_time) AS day,

  COUNT(order_id) AS pizza_count

FROM temp_customer_orders

GROUP BY day

Order By pizza_count desc

)



Select

        Case

        When day = '1' then 'Wednesday'

        When day ='2' then 'Thursday'

        When day ='3' then 'Friday'

        When day = '4' then 'Saturday'
```

```
When day ='5' then 'Sunday'

When day ='6' then 'Monday'

When day= '7' then 'Tuesday'

Else day

End As days_name,

pizza_count

From days
```