13_Swapped Food Delivery Medium - Solution

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Running Notes

- we just need to swap the item in the orders table every row is interchanged
 - o if even then rows are properly swapped
 - o if odd then the last row should remain as it is
- if the order_id is EVEN then then corrected id = id 1
- if the order_id is ODD then the corrected id = id + 1 and we also should have even number of records

```
SELECT order_id,item, (CASE WHEN (order_id) % 2 = 0 THEN order_id-1 WHEN (order_id) % 2 = 1 AND count(order_id)%2 = 0 THEN order_id+1 ELSE order_id END) AS "corrected_order_id" FROM orders;
```

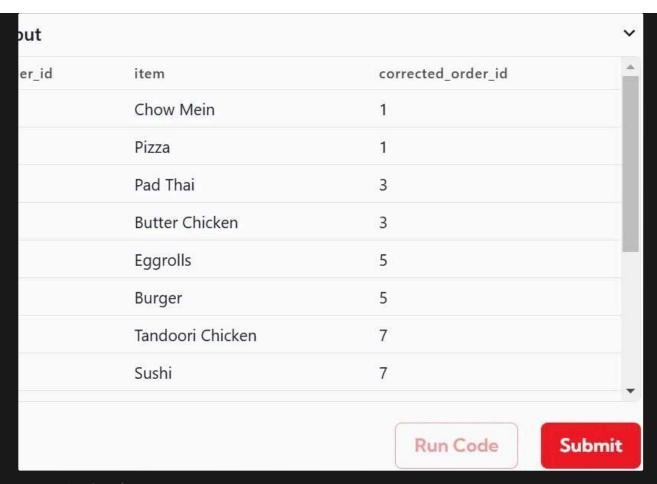
This query has a mistake

THE MISTAKE

• COUNT(order_id) is an aggregate function and cannot be used directly within a CASE statement unless you're grouping the query. If you want to count the occurrences of order_id, you need to use a GROUP BY clause or handle this differently.

So time to use a subquery, dooooddllless

oopsie, another mistake, please look at the output to see my mistake



new mistake alert

WITH length_of_data AS (SELECT count(order_id) FROM orders); WITH last_record AS (SELECT MAX(order_id) FROM orders);

Output

Error

```
syntax error at or near ";" (LINE: 1)
```

Mistake

In SQL, you don't need to use multiple WITH clauses separately. They should be chained together using commas.

so i wrote the final code

WITH length_of_data AS (SELECT count(order_id) as 1 FROM orders), last_record AS (SELECT MAX(order_id) as 1r FROM orders) SELECT (CASE WHEN (order_id) % 2 = 0 THEN order_id-1 WHEN (order_id) % 2 = 1 AND (SELECT 1 FROM length_of_data)%2 = 0 THEN order_id+1 WHEN (order_id) % 2 = 1 AND (SELECT 1 FROM length_of_data)%2 = 1 AND order_id!= (SELECT 1r from last_record) THEN order_id+1 ELSE order_id END) AS "corrected_order_id",item FROM orders ORDER BY corrected_order_id;

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