

Group Sold Products By The Date

Question:

<https://leetcode.com/problems/group-sold-products-by-the-date/>

ACTIVITIES	
Column	Type
sell_date	date
product	varchar

There is no primary key for this table, it may contain duplicates.

Each row of this table contains the product name and the date it was sold in a market.

Write an SQL query to find for each date the number of different products sold and their names.

The sold products names for each date should be sorted lexicographically.

Return the result table ordered by sell_date.

Query 1

The approach was to use a subquery which will give us a list of the products and **CONCATENATE** them using **GROUP_CONCAT** function.

```
SELECT sell_date,  
  
       COUNT(DISTINCT(product)) AS num_sold,  
  
       GROUP_CONCAT(DISTINCT product ORDER BY product ASC SEPARATOR ',')  
AS products  
  
FROM Activities  
  
GROUP BY sell_date  
  
ORDER BY sell_date ASC
```

PS: I couldn't do it in the first try since I couldn't find a way to **CONCATENATE** **WHILE** **GROUPING** as I didn't know about the **GROUP_CONCAT** Function.