

1484. Group Sold Products By The Date

Easy  Topics  Companies

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Table `Activities`:

+-----+-----+		
Column Name	Type	
+-----+-----+		
sell_date	date	
product	varchar	
+-----+-----+		

There is no primary key (column with unique values) 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 a solution 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`.

The result format is in the following example.

Example 1:

Input:

Activities table:

+-----+-----+		
sell_date	product	
+-----+-----+		
2020-05-30	Headphone	
2020-06-01	Pencil	
2020-06-02	Mask	
2020-05-30	Basketball	
2020-06-01	Bible	
2020-06-02	Mask	
2020-05-30	T-Shirt	
+-----+-----+		

Output:

+-----+-----+-----+			
sell_date	num_sold	products	
+-----+-----+-----+			
2020-05-30	3	Basketball,Headphone,T-shirt	
2020-06-01	2	Bible,Pencil	
2020-06-02	1	Mask	

+-----+-----+-----+

Explanation:

For 2020-05-30, Sold items were (Headphone, Basketball, T-shirt), we sort them lexicographically and separate them by a comma.

For 2020-06-01, Sold items were (Pencil, Bible), we sort them lexicographically and separate them by a comma.

For 2020-06-02, the Sold item is (Mask), we just return it.