

Table Activities:

Column Name	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`.

The query 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.

For 2020-06-01, Sold items were (Pencil, Bible), we sort them lexicographically and separate them.  
For 2020-06-02, the Sold item is (Mask), we just return it.