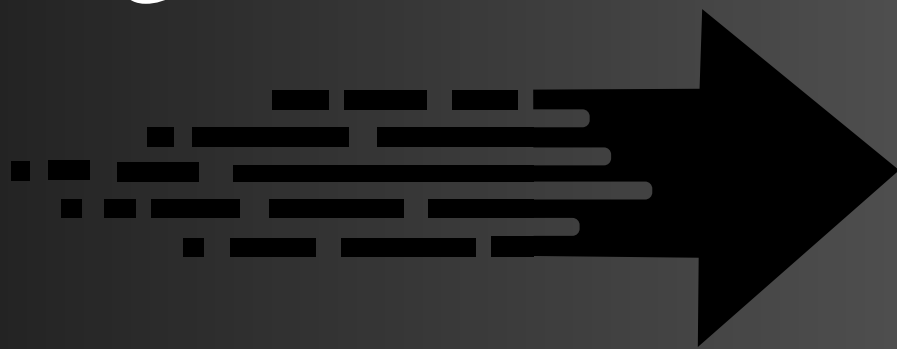# LeetCode

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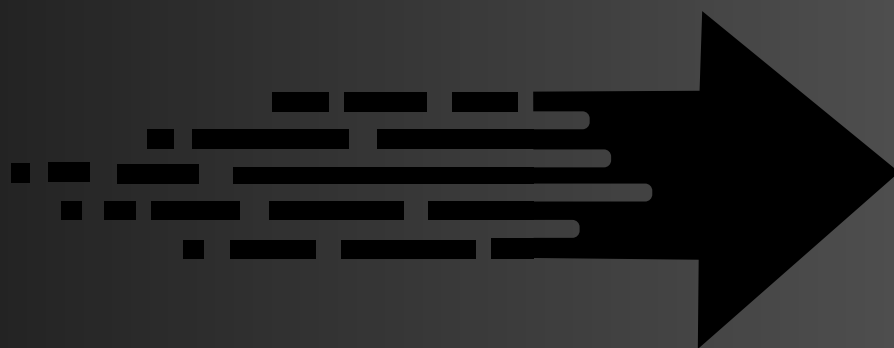*Work In Progress*

Day 47/50

47. Group Sold Products by the Date

Question

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`.

Table

```
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    |
+------------+------------+
```

Approach

Used COUNT func to calculate no of products sold on particular day and GROUP_ONCAT func to concat product ordered by product and group the whole result by sell_date and order by sell_date as well.
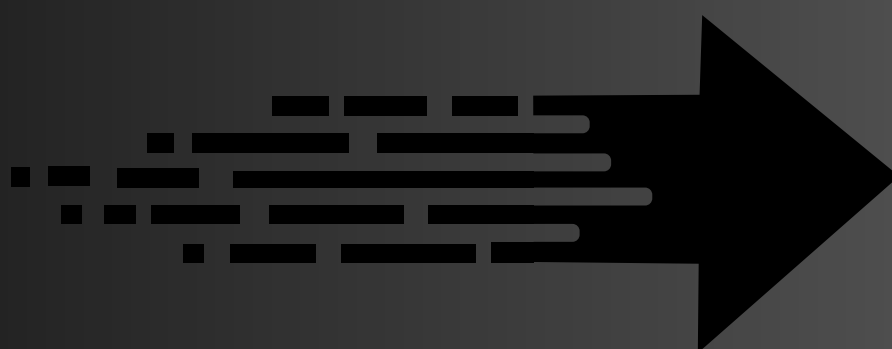
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Query

```
MySQL ∨    🔒 Auto

1   # Write your MySQL query statement below
2   SELECT
3       sell_date,
4       COUNT(DISTINCT product) AS num_sold,
5       GROUP_CONCAT(DISTINCT product ORDER BY product) AS products
6   FROM activities
7   GROUP BY sell_date
8   ORDER BY sell_date;
9
```
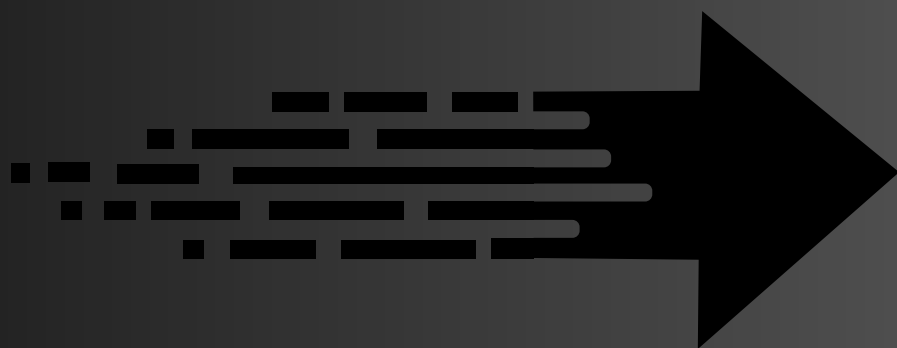
Output

```
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                          |
+------------+----------+-------------------------------+
```

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Thank You :)