1369. Get the Second Most Recent Activity `Premium`

`Hard` `Topics` `Companies`

Table: `UserActivity`

```
+---------------+---------+
| Column Name   | Type    |
+---------------+---------+
| username      | varchar |
| activity      | varchar |
| startDate     | Date    |
| endDate       | Date    |
+---------------+---------+
This table may contain duplicates rows.
This table contains information about the activity performed by each user in a period of time.
A person with username performed an activity from startDate to endDate.
```

Write a solution to show the **second most recent activity** of each user.

If the user only has one activity, return that one. A user cannot perform more than one activity at the same time.

Return the result table in **any** order.

The result format is in the following example.

Example 1:

```
Input:
UserActivity table:
+------------+------------+------------+------------+
| username   | activity   | startDate  | endDate    |
+------------+------------+------------+------------+
| Alice      | Travel     | 2020-02-12 | 2020-02-20 |
| Alice      | Dancing    | 2020-02-21 | 2020-02-23 |
| Alice      | Travel     | 2020-02-24 | 2020-02-28 |
| Bob        | Travel     | 2020-02-11 | 2020-02-18 |
+------------+------------+------------+------------+
Output:
+------------+------------+------------+------------+
| username   | activity   | startDate  | endDate    |
+------------+------------+------------+------------+
| Alice      | Dancing    | 2020-02-21 | 2020-02-23 |
| Bob        | Travel     | 2020-02-11 | 2020-02-18 |
+------------+------------+------------+------------+
Explanation:
The most recent activity of Alice is Travel from 2020-02-24 to 2020-02-28, before that she was dancing from 2020-02-21 to 2020-02-23.
Bob only has one record, we just take that one.
```

Seen this question in a real interview before?   1/5

`Yes` `No`

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