

# Problem 1369: Get the Second Most Recent Activity

## Problem Information

**Difficulty:** Hard

**Acceptance Rate:** 67.34%

**Paid Only:** Yes

**Tags:** Database

## Problem Description

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.

## Code Snippets

### MySQL:

```
# Write your MySQL query statement below
```

### MS SQL Server:

```
/* Write your T-SQL query statement below */
```

### PostgreSQL:

```
-- Write your PostgreSQL query statement below
```