

Problem 1141: User Activity for the Past 30 Days I

Problem Information

Difficulty: Easy

Acceptance Rate: 50.06%

Paid Only: No

Tags: Database

Problem Description

Table: `Activity`

+-----+-----+ | Column Name | Type | +-----+-----+ | user_id | int | | session_id | int | | activity_date | date | | activity_type | enum | +-----+-----+ This table may have duplicate rows. The activity_type column is an ENUM (category) of type ('open_session', 'end_session', 'scroll_down', 'send_message'). The table shows the user activities for a social media website. Note that each session belongs to exactly one user.

Write a solution to find the daily active user count for a period of `30` days ending `2019-07-27` inclusively. A user was active on someday if they made at least one activity on that day.

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

The result format is in the following example.

Note: **Any** activity from ('open_session', 'end_session', 'scroll_down', 'send_message') will be considered valid activity for a user to be considered active on a day.

Example 1:

Input: Activity table: +-----+-----+ +-----+-----+ | user_id | session_id | activity_date | activity_type | +-----+-----+ | 1 | 1 | 2019-07-20 | open_session | | 1 | 1 | 2019-07-20 | scroll_down | | 1 | 1 | 2019-07-20 | end_session | | 2 | 4 | 2019-07-20 | open_session | | 2 | 4 | 2019-07-21 | send_message | | 2 | 4 | 2019-07-21 |

```

end_session || 3 | 2 | 2019-07-21 | open_session || 3 | 2 | 2019-07-21 | send_message || 3 |
2 | 2019-07-21 | end_session || 4 | 3 | 2019-06-25 | open_session || 4 | 3 | 2019-06-25 |
end_session | +-----+-----+-----+-----+ **Output:**
+-----+-----+ | day | active_users | +-----+-----+ | 2019-07-20 | 2 | |
2019-07-21 | 2 | +-----+-----+ **Explanation:** Note that we do not care about days
with zero active users.

```

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
```