

# 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
```