

# User Activity for the Past 30 Days I

## Question:

<https://leetcode.com/problems/user-activity-for-the-past-30-days-i/>

ACTIVITY	
Column	Type
user_id	int
session_id	int
activity_data	date
activity_type	enum

There is no primary key for this table, it may have duplicate rows.

The activity\_type column is an ENUM 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 an SQL query 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.**

## Query 1(Accepted)

Using the **DATEDIFF** function to find the date difference and then grouping them based on the activity date.

**SELECT**

activity\_date **AS** day,

**COUNT**(**DISTINCT** user\_id) **AS** active\_users

**FROM** Activity

**WHERE**

**DATEDIFF**('2019-07-27', activity\_date) < 30 **AND** activity\_date <=  
'2021-07-27'

**GROUP BY** activity\_date

**NOTE :** Was unable to do it in the first attempt!!!