

Description Editorial Solutions (892) Submissions

1141. User Activity for the Past 30 Days I

Easy 460 620

Companies

SQL Schema >

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.

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.

MySQL Auto

```
1 # Write your MySQL query statement below
2 SELECT
3     activity_date AS day,
4     COUNT(DISTINCT(user_id)) AS active_users
5 FROM Activity
6 WHERE
7     DATEDIFF('2019-07-27', activity_date) < 30
8     AND
9     DATEDIFF('2019-07-27', activity_date) > -29
10 GROUP BY activity_date
```

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Console ^

Run

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Yes No

Discussion (36)

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