LeetCode

*50 Days 50 SQL Questions
Work In Progress*

Day 24/50

24. User Activity for the Past 30 Days I
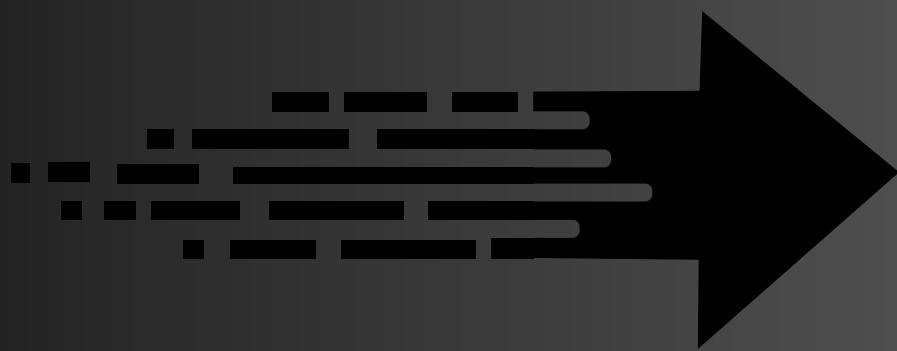
Question

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**.

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Table

```
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   |
+---------+------------+---------------+---------------+
```

Approach

Used COUNT aggregate func along with DISTINCT to get active users between date range '2019-06-28' to '2019-07-27' and Group the result by day.

Query

MySQL ∨   🔒 Auto

```sql
1  SELECT
2      activity_date AS day,
3      COUNT(DISTINCT user_id) AS active_users
4  FROM Activity
5  WHERE activity_date BETWEEN '2019-06-28' AND '2019-07-27'
6  GROUP BY activity_date;
```
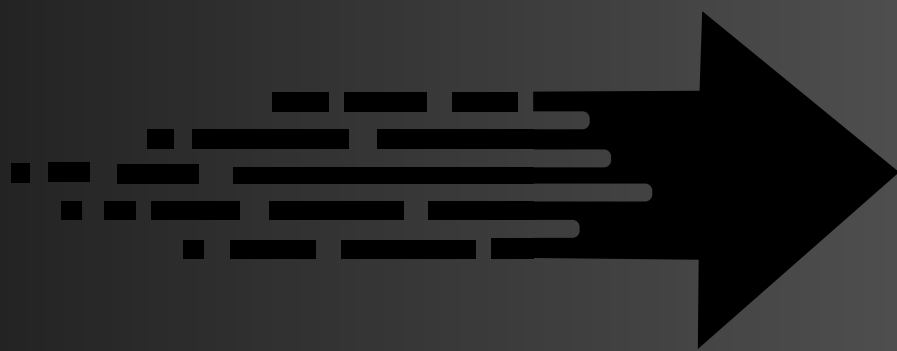
Output

```
Output:

+---------------+----------------+
| day          | active_users   |
+---------------+----------------+
| 2019-07-20   | 2              |
| 2019-07-21   | 2              |
+---------------+----------------+
```

Share your thoughts in the comment section

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Thank You :)