1454. Active Users

Medium 🏷 Topics 🏢 Companies

SQL Schema >   Pandas Schema >
Table: `Accounts`

```
+----------------+---------+
| Column Name    | Type    |
+----------------+---------+
| id             | int     |
| name           | varchar |
+----------------+---------+
id is the primary key (column with unique values) for this table.
This table contains the account id and the user name of each account.
```

Table: `Logins`

```
+----------------+---------+
| Column Name    | Type    |
+----------------+---------+
| id             | int     |
| login_date     | date    |
+----------------+---------+
This table may contain duplicate rows.
This table contains the account id of the user who logged in and the login date. A user may log in multiple times in the day.
```

Active users are those who logged in to their accounts for five or more consecutive days.

Write a solution to find the id and the name of **active users**.

Return the result table **ordered** by `id`.

The result format is in the following example.

Example 1:

```
Input:
Accounts table:
+----+----------+
| id | name     |
+----+----------+
| 1  | Winston  |
| 7  | Jonathan |
+----+----------+
Logins table:
+----+------------+
| id | login_date |
+----+------------+
| 7  | 2020-05-30 |
| 1  | 2020-05-30 |
| 7  | 2020-05-31 |
| 7  | 2020-06-01 |
| 7  | 2020-06-02 |
| 7  | 2020-06-02 |
| 7  | 2020-06-03 |
| 1  | 2020-06-07 |
| 7  | 2020-06-10 |
+----+------------+
Output:
+----+----------+
| id | name     |
+----+----------+
| 7  | Jonathan |
+----+----------+
Explanation:
User Winston with id = 1 logged in 2 times only in 2 different days, so, Winston is not an active user.
User Jonathan with id = 7 logged in 7 times in 6 different days, five of them were consecutive days, so, Jonathan is an active user.
```

Follow up: Could you write a general solution if the active users are those who logged in to their accounts for `n` or more consecutive days?

Seen this question in a real interview before?   1/5

Yes   No

Accepted **41.2K** | Submissions **112.3K** | Acceptance Rate **36.7%**

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