

Problem 1454: Active Users

Problem Information

Difficulty: Medium

Acceptance Rate: 36.58%

Paid Only: Yes

Tags: Database

Problem Description

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?

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
```