Problem 1747: Leetflex Banned Accounts

Problem Information

Difficulty: Medium
Acceptance Rate: 0.00%
Paid Only: No

Problem Description

Table:

LogInfo

+-------------+----------+ | Column Name | Type | +-------------+----------+ | account_id | int | | ip_address | int | | login | datetime | | logout | datetime | +-------------+----------+ This table may contain duplicate rows. The table contains information about the login and logout dates of Leetflex accounts. It also contains the IP address from which the account was logged in and out. It is guaranteed that the logout time is after the login time.

Write a solution to find the

account_id

of the accounts that should be banned from Leetflex. An account should be banned if it was logged in at some moment from two different IP addresses.

Return the result table in

any order

.

The result format is in the following example.

Example 1:

Input:

LogInfo table:

account_id	ip_address	login	logout
1	1	2021-02-01 09:00:00	2021-02-01 09:30:00
1	2	2021-02-01 08:00:00	2021-02-01 11:30:00
2	6	2021-02-01 20:30:00	2021-02-01 22:00:00
2	7	2021-02-02 20:30:00	2021-02-02 22:00:00
3	9	2021-02-01 16:00:00	2021-02-01 16:59:59
3	13	2021-02-01 17:00:00	2021-02-01 17:59:59
4	10	2021-02-01 16:00:00	2021-02-01 17:00:00
4	11	2021-02-01 17:00:00	2021-02-01 17:59:59

Output:

account_id
1
4

Explanation:

Account ID 1 --> The account was active from "2021-02-01 09:00:00" to "2021-02-01 09:30:00" with two different IP addresses (1 and 2). It should be banned. Account ID 2 --> The account was active from two different addresses (6, 7) but in

two different times

. Account ID 3 --> The account was active from two different addresses (9, 13) on the same day but

they do not intersect at any moment

. Account ID 4 --> The account was active from "2021-02-01 17:00:00" to "2021-02-01 17:00:00" with two different IP addresses (10 and 11). It should be banned.

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
```

Oracle:

```
/* Write your PL/SQL query statement below */
```

Pandas:

```
import pandas as pd

def leetflex_banned_accnts(log_info: pd.DataFrame) -> pd.DataFrame:
```

Solutions

MySQL Solution:

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