

Problem 1555: Bank Account Summary

Problem Information

Difficulty: Medium

Acceptance Rate: 52.05%

Paid Only: Yes

Tags: Database

Problem Description

Table: `Users`

+-----+-----+ | Column Name | Type | +-----+-----+ | user_id | int || user_name | varchar | | credit | int | +-----+-----+ user_id is the primary key (column with unique values) for this table. Each row of this table contains the current credit information for each user.

Table: `Transactions`

+-----+-----+ | Column Name | Type | +-----+-----+ | trans_id | int || paid_by | int | | paid_to | int | | amount | int | | transacted_on | date | +-----+-----+ trans_id is the primary key (column with unique values) for this table. Each row of this table contains information about the transaction in the bank. User with id (paid_by) transfer money to user with id (paid_to).

Leetcode Bank (LCB) helps its coders in making virtual payments. Our bank records all transactions in the table _Transaction_ , we want to find out the current balance of all users and check whether they have breached their credit limit (If their current credit is less than `0`).

Write a solution to report.

* `user_id` , * `user_name` , * `credit` , current balance after performing transactions, and * `credit_limit_breached` , check credit_limit ("Yes" or "No")

Return the result table in **any** order.

The result format is in the following example.

****Example 1:****

****Input:**** Users table:

				user_id	user_name	credit
10000	1	Moustafa	100	2	Jonathan	200
10000	3	Winston	10000	4	Luis	800

Transactions table:

				trans_id	paid_by	paid_to	amount	transacted_on
2020-08-01	1	1	3	400	1	1	3	2020-08-02
2020-08-02	2	3	2	500	3	2	1	200
2020-08-03	3	2	1	200	2020-08-03			

****Output:****

				user_id	user_name	credit	credit_limit_breached
10000	1	Moustafa	-100	1	Moustafa	-100	Yes
10000	2	Jonathan	500	2	Jonathan	500	No
10000	3	Winston	9900	3	Winston	9900	No
10000	4	Luis	800	4	Luis	800	No

****Explanation:**** Moustafa paid \$400 on "2020-08-01" and received \$200 on "2020-08-03", credit (100 -400 +200) = -\$100 Jonathan received \$500 on "2020-08-02" and paid \$200 on "2020-08-08", credit (200 +500 -200) = \$500 Winston received \$400 on "2020-08-01" and paid \$500 on "2020-08-03", credit (10000 +400 -500) = \$9990 Luis did not received any transfer, credit = \$800

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
```