

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 |
+-----+-----+-----+ | 1 | Moustafa | 100 | | 2 | Jonathan | 200 | | 3 | Winston |
10000 | | 4 | Luis | 800 | +-----+-----+-----+ Transactions table:
+-----+-----+-----+ | trans_id | paid_by | paid_to | amount |
transacted_on | +-----+-----+-----+ | 1 | 1 | 3 | 400 |
2020-08-01 | | 2 | 3 | 2 | 500 | 2020-08-02 | | 3 | 2 | 1 | 200 | 2020-08-03 |
+-----+-----+-----+ **Output:**
+-----+-----+-----+ | user_id | user_name | credit |
credit_limit_breached | +-----+-----+-----+ | 1 | Moustafa |
-100 | Yes | | 2 | Jonathan | 500 | No | | 3 | Winston | 9900 | No | | 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 "2020-08-03", 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
```