1555. Bank Account Summary `Premium`

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SQL Schema >   Pandas Schema >

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 "2020-08-08", 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
```

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

`Yes` `No`

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