

1555. Bank Account Summary

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 "2020-08-08", 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

