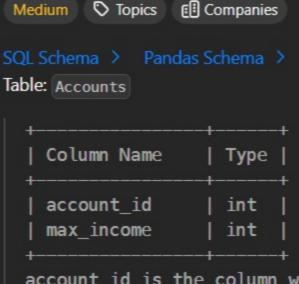
1843. Suspicious Bank Accounts Premium



account_id is the column with unique values for this table.

Each row contains information about the maximum monthly income for one bank account.

Table: Transactions

Column Name	Туре
transaction_id	int
account_id	int
type	ENUM
amount	int
day	datetime
+	
transaction_id is	the column with unique values for this table.

Each row contains information about one transaction.

type is ENUM (category) type of ('Creditor', 'Debtor') where 'Creditor' means

the user deposited money into their account and 'Debtor' means the user withdrew money from their account.

amount is the amount of money deposited/withdrawn during the transaction.

consecutive months. The total income of an account in some month is the sum of all its deposits in that month (i.e., transactions of the type 'Creditor').

Write a solution to report the IDs of all suspicious bank accounts.

A bank account is suspicious if the total income exceeds the max_income for this account for two or more

Return the result table in any order.

The result format is in the following example.

Input:

Accounts table:

Example 1:

account_id	max	c_income									
3 4	21000 10400										
Transactions table:											
transaction_	_id	account_id	ļ	type	1	amount	İ	day			
2	ļ	3	ı	Creditor	ı	107100	1	2021-06-02	11:38:		
4	ĺ	4	ĺ	Creditor	ĺ	10400	1	2021-06-20	12:39:		
11		4	Ī	Debtor	ľ	58800	1	2021-07-23	12:41:		
1		4	Ī	Creditor	ľ	49300	1	2021-05-03	16:11:		
15	ı	3	Ī	Debtor	ľ	75500	1	2021-05-23	14:40:		
10		3	1	Creditor	I	102100	1	2021-06-15	10:37:		
14	١	4	1	Creditor	I	56300	1	2021-07-21	12:12:		
19		4	1	Debtor	I	101100	1	2021-05-09	15:21:		

2021-07-26 15:09:56

| 2021-06-14 11:23:07

I 3

Output:

8

7

Explanation: For account 3:

account_id |

In 6-2021, the user had an income of 107100 + 102100 + 90900 = 300100.
 In 7-2021, the user had an income of 64900.

months, so we include 3 in the result table.

We can see that the income exceeded the max income of 21000 for two consecutive

Creditor | 64900

Creditor | 90900

In 5-2021, the user had an income of 49300.
 In 6-2021, the user had an income of 10400.

For account 4:

- In 7-2021, the user had an income of 56300.

We can see that the income exceeded the max income in May and July, but not in June. Since the account did not exceed the max income for two consecutive

3

3

months, we do not include it in the result table.

Yes No

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

Accepted 12.2K Submissions 27.1K Acceptance Rate 45.1%

▶ Topics
Database

© Companies

0 - 6 months

Discussion (6)

J.P. Morgan (2)