1843. Suspicious Bank Accounts

Description

Table: Accounts

+	-++
Column Name	Type
+	-++
account_id	int
max_income	int
+	++
account_id is the	column with unique values for this table.
Each row contains	s information about the maximum monthly income for one bank account.

Table: Transactions

+	+	-+						
Column Name	Type							
+		· -+						
transaction_id	l int							
account_id	int							
: .	ENUM							
type								
amount	int							
day	datetime							
+	+	-+						
transaction_id is	the column	n with unique values for this table.						
Each row contains	information	on 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amount is the amount of money deposited/withdrawn during the transaction.								

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

Return the result table in any order.

The result format is in the following example.

Example 1:

Input:

Accounts table:									
account_id max	_income								
3 210	·								
4 104	00 j								
transactions table	·								
++ transaction_id	•		amount	day					
	 3	 Creditor		2021-06-02 11:38:14					
4	4	Creditor	10400	2021-06-20 12:39:18					
11	4	Debtor	58800	2021-07-23 12:41:55					
1	4	Creditor	49300	2021-05-03 16:11:04					
15	3	Debtor	75500	2021-05-23 14:40:20					
10	3	Creditor	102100	2021-06-15 10:37:16					
14	4	Creditor	56300	2021-07-21 12:12:25					
19	4	Debtor	101100	2021-05-09 15:21:49					
8	3	Creditor	64900	2021-07-26 15:09:56					
7	3	Creditor	90900	2021-06-14 11:23:07					
++ Output: ++									
account_id									
3									
++									
Explanation:									
For account 3:									
				2100 + 90900 = 300100.					
- In 7-2021, the u									
We can see that the income exceeded the max income of 21000 for two consecutive months, so we include 3 in the result table.									
For account 4: - In 5-2021, the user had an income of 49300 In 6-2021, the user had an income of 10400 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 months, we do not include it in the result table.									