

2688. Find Active Users

Description

Table: Users

Column Name	Type
user_id	int
item	varchar
created_at	datetime
amount	int

This table may contain duplicate records.
Each row includes the user ID, the purchased item, the date of purchase, and the purchase amount.

Write a solution to identify active users. An active user is a user that has made a second purchase **within 7 days** of any other of their purchases.

For example, if the ending date is May 31, 2023. So any date between May 31, 2023, and June 7, 2023 (inclusive) would be considered "within 7 days" of May 31, 2023.

Return a list of user_id which denotes the list of active users in **any order**.

The result format is in the following example.

Example 1:

Input:
Users table:

user_id	item	created_at	amount
5	Smart Crock Pot	2021-09-18	698882
6	Smart Lock	2021-09-14	11487
6	Smart Thermostat	2021-09-10	674762
8	Smart Light Strip	2021-09-29	630773
4	Smart Cat Feeder	2021-09-02	693545
4	Smart Bed	2021-09-13	170249

Output:

user_id
6

Explanation:

- User with user_id 5 has only one transaction, so he is not an active user.
- User with user_id 6 has two transaction his first transaction was on 2021-09-10 and second transation was on 2021-09-14. The distance between the first and second transactions date is <= 7 days. So he is an active user.
- User with user_id 8 has only one transaction, so he is not an active user.
- User with user_id 4 has two transaction his first transaction was on 2021-09-02 and second transation was on 2021-09-13. The distance between the first and second transactions date is > 7 days. So he is not an active user.

