

[< Back to questions](#)

User Shopping Sprees

Description

Solution

Discussion

Submissions

Medium

Amazon

[Share on Twitter](#)[Share on LinkedIn](#)

In an effort to identify high-value customers, Amazon asked for your help to obtain data about users who go on shopping sprees. A shopping spree occurs when a user makes purchases on 3 or more consecutive days.

List the user IDs who have gone on at least 1 shopping spree in ascending order.

transactions Table:

Column Name	Type
user_id	integer
amount	float
transaction_date	timestamp

transactions Example Input:

user_id	amount	transaction_date
1	9.99	08/01/2022 10:00:00
1	55	08/17/2022 10:00:00
2	149.5	08/05/2022 10:00:00
2	4.89	08/06/2022 10:00:00
2	34	08/07/2022 10:00:00

Example Output:

user_id
2

Explanation

In this example, user_id 2 is the only one who has gone on a shopping spree.

```
1 SELECT t.user_id FROM transactions t
2 INNER JOIN transactions t1 ON t.user_id = t1.user_id
3 INNER JOIN transactions t2 on t1.user_id = t2.user_id
4 WHERE (EXTRACT(DAY FROM (t1.transaction_date-t.transaction_date))=1
5 AND
6 Extract(DAY FROM (t2.transaction_date - t1.transaction_date))=1)
7 ORDER BY t.user_id;
8 |
```