Table: Purchases

+-------------+----------+  
| Column Name | Type |  
+-------------+----------+  
| user\_id | int |  
| time\_stamp | datetime |  
| amount | int |  
+-------------+----------+  
(user\_id, time\_stamp) is the primary key (combination of columns with unique values) for this table.  
Each row contains information about the purchase time and the amount paid for the user with ID user\_id.

A user is eligible for a discount if they had a purchase in the inclusive interval of time [startDate, endDate] with at least minAmount amount. To convert the dates to times, both dates should be considered as the **start** of the day (i.e., endDate = 2022-03-05 should be considered as the time 2022-03-05 00:00:00).

Write a solution to report the IDs of the users that are eligible for a discount.

Return the result table ordered by user\_id.

The result format is in the following example.

**Example 1:**

Input:  
Purchases table:  
+---------+---------------------+--------+  
| user\_id | time\_stamp | amount |  
+---------+---------------------+--------+  
| 1 | 2022-04-20 09:03:00 | 4416 |  
| 2 | 2022-03-19 19:24:02 | 678 |  
| 3 | 2022-03-18 12:03:09 | 4523 |  
| 3 | 2022-03-30 09:43:42 | 626 |  
+---------+---------------------+--------+  
startDate = 2022-03-08, endDate = 2022-03-20, minAmount = 1000  
Output:  
+---------+  
| user\_id |  
+---------+  
| 3 |  
+---------+  
Explanation:  
Out of the three users, only User 3 is eligible for a discount.  
 - User 1 had one purchase with at least minAmount amount, but not within the time interval.  
 - User 2 had one purchase within the time interval, but with less than minAmount amount.  
 - User 3 is the only user who had a purchase that satisfies both conditions.

**Important Note:** This problem is basically the same as [The Number of Users That Are Eligible for Discount](https://leetcode.com/problems/the-number-of-users-that-are-eligible-for-discount/).