SQL Schema

Table: Purchases

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| Column Name | Type |

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| user\_id | int |

| time\_stamp | datetime |

| amount | int |

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(user\_id, time\_stamp) is the primary key 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.

Write an SQL query to report the IDs of the users that are eligible for a discount.

Return the result table ordered by user\_id.

The query result format is in the following example.

**Example 1:**

**Input:**

Purchases table:

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| 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 |

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startDate = 2022-03-08, endDate = 2022-03-20, minAmount = 1000

**Output:**

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| user\_id |

+---------+

| 3 |

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**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/).