

Table: Purchases

Column Name	Type
user_id	int
time_stamp	datetime
amount	int

(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

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

The query 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_cnt
1

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.