2205. The Number of Users That Are Eligible for Discount `Premium`

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SQL Schema > Pandas Schema >

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 number of users that are eligible for a discount.

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_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.
```

Important Note: This problem is basically the same as The Users That Are Eligible for Discount.

Seen this question in a real interview before?   1/5

Yes   No

Accepted **6.7K** | Submissions **13.3K** | Acceptance Rate **50.2%**

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