2994. Friday Purchases II Premium

Hard Topics

SQL Schema > Pandas Schema >

Table: `Purchases`

```
+---------------+------+
| Column Name   | Type |
+---------------+------+
| user_id       | int  |
| purchase_date | date |
| amount_spend  | int  |
+---------------+------+
(user_id, purchase_date, amount_spend) is the primary key (combination of columns with unique values) for this table.
purchase_date will range from November 1, 2023, to November 30, 2023, inclusive of both dates.
Each row contains user id, purchase date, and amount spend.
```

Write a solution to calculate the **total spending** by users on **each Friday** of **every week** in **November 2023**. If there are **no** purchases on a particular **Friday of a week**, it will be considered as `0`.

Return *the result table ordered by week of month in **ascending** order.*

The result format is in the following example.

Example 1:

Input:

Purchases table:

```
+---------+---------------+--------------+
| user_id | purchase_date | amount_spend |
+---------+---------------+--------------+
| 11      | 2023-11-07    | 1126         |
| 15      | 2023-11-30    | 7473         |
| 17      | 2023-11-14    | 2414         |
| 12      | 2023-11-24    | 9692         |
| 8       | 2023-11-03    | 5117         |
| 1       | 2023-11-16    | 5241         |
| 10      | 2023-11-12    | 8266         |
| 13      | 2023-11-24    | 12000        |
+---------+---------------+--------------+
```

Output:

```
+---------------+---------------+--------------+
| week_of_month | purchase_date | total_amount |
+---------------+---------------+--------------+
| 1             | 2023-11-03    | 5117         |
| 2             | 2023-11-10    | 0            |
| 3             | 2023-11-17    | 0            |
| 4             | 2023-11-24    | 21692        |
+---------------+---------------+--------------+
```

Explanation:

- During the first week of November 2023, transactions amounting to $5,117 occurred on Friday, 2023-11-03.
- For the second week of November 2023, there were no transactions on Friday, 2023-11-10, resulting in a value of 0 in the output table for that day.
- Similarly, during the third week of November 2023, there were no transactions on Friday, 2023-11-17, reflected as 0 in the output table for that specific day.
- In the fourth week of November 2023, two transactions took place on Friday, 2023-11-24, amounting to $12,000 and $9,692 respectively, summing up to a total of $21,692.

Output table is ordered by week_of_month in ascending order.

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

Yes No

Accepted **1.4K** | Submissions **1.9K** | Acceptance Rate **74.2%**

Topics

Database

Discussion (3)