Problem 3220: Odd and Even Transactions

Problem Information

Difficulty: Medium
Acceptance Rate: 0.00%
Paid Only: No

Problem Description

Table:

transactions

+------------------+------+ | Column Name | Type | +------------------+------+ | transaction_id | int | | amount | int | | transaction_date | date | +------------------+------+ The transactions_id column uniquely identifies each row in this table. Each row of this table contains the transaction id, amount and transaction date.

Write a solution to find the

sum of amounts

for

odd

and

even

transactions for each day. If there are no odd or even transactions for a specific date, display as

0

.

Return

the result table ordered by

transaction_date

in

ascending

order

.

The result format is in the following example.

Example:

Input:

transactions

table:

+----------------+--------+------------------+ | transaction_id | amount | transaction_date | +----------------+--------+------------------+ | 1 | 150 | 2024-07-01 | | 2 | 200 | 2024-07-01 | | 3 | 75 | 2024-07-01 | | 4 | 300 | 2024-07-02 | | 5 | 50 | 2024-07-02 | | 6 | 120 | 2024-07-03 | +----------------+--------+------------------+

Output:

+------------------+---------+----------+ | transaction_date | odd_sum | even_sum | +------------------+---------+----------+ | 2024-07-01 | 75 | 350 | | 2024-07-02 | 0 | 350 | | 2024-07-03 | 0 | 120 | +------------------+---------+----------+

Explanation:

For transaction dates:

2024-07-01:

Sum of amounts for odd transactions: 75

Sum of amounts for even transactions: 150 + 200 = 350

2024-07-02:

Sum of amounts for odd transactions: 0

Sum of amounts for even transactions: 300 + 50 = 350

2024-07-03:

Sum of amounts for odd transactions: 0

Sum of amounts for even transactions: 120

Note:

The output table is ordered by

transaction_date

in ascending order.

Code Snippets

MySQL:

```
# Write your MySQL query statement below
```

MS SQL Server:

```
/* Write your T-SQL query statement below */
```

PostgreSQL:

```
-- Write your PostgreSQL query statement below
```

Oracle:

```
/* Write your PL/SQL query statement below */
```

Pandas:

```
import pandas as pd

def sum_daily_odd_even(transactions: pd.DataFrame) -> pd.DataFrame:
```

Solutions

MySQL Solution:

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