Problem 1113: Reported Posts

Problem Information

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

Problem Description

Table:

Actions

+---------------+---------+ | Column Name | Type | +---------------+---------+ | user_id | int | | post_id | int | | action_date | date | | action | enum | | extra | varchar | +---------------+---------+ This table may have duplicate rows. The action column is an ENUM (category) type of ('view', 'like', 'reaction', 'comment', 'report', 'share'). The extra column has optional information about the action, such as a reason for the report or a type of reaction.

Write a solution to report the number of posts reported yesterday for each report reason. Assume today is

2019-07-05

.

Return the result table in

any order

.

The result format is in the following example.

Example 1:

Input:

Actions table: +---------+---------+-------------+--------+--------+ | user_id | post_id | action_date | action | extra | +---------+---------+-------------+--------+--------+ | 1 | 1 | 2019-07-01 | view | null | | 1 | 1 | 2019-07-01 | like | null | | 1 | 1 | 2019-07-01 | share | null | | 2 | 4 | 2019-07-04 | view | null | | 2 | 4 | 2019-07-04 | report | spam | | 3 | 4 | 2019-07-04 | view | null | | 3 | 4 | 2019-07-04 | report | spam | | 4 | 3 | 2019-07-02 | view | null | | 4 | 3 | 2019-07-02 | report | spam | | 5 | 2 | 2019-07-04 | view | null | | 5 | 2 | 2019-07-04 | report | racism | | 5 | 5 | 2019-07-04 | view | null | | 5 | 5 | 2019-07-04 | report | racism | +---------+---------+-------------+--------+--------+

Output:

+---------------+--------------+ | report_reason | report_count | +---------------+--------------+ | spam | 1 | | racism | 2 | +---------------+--------------+

Explanation:

Note that we only care about report reasons with non-zero number of reports.

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 reported_posts(actions: pd.DataFrame) -> pd.DataFrame:
```

Solutions

MySQL Solution:

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