# Problem 3103: Find Trending Hashtags II

## Problem Information

**Difficulty:** Hard
**Acceptance Rate:** 0.00%
**Paid Only:** No

## Problem Description

Table:

Tweets

+-------------+---------+ | Column Name | Type | +-------------+---------+ | user_id | int | | tweet_id | int | | tweet_date | date | | tweet | varchar | +-------------+---------+ tweet_id is the primary key (column with unique values) for this table. Each row of this table contains user_id, tweet_id, tweet_date and tweet. It is guaranteed that all tweet_date are valid dates in February 2024.

Write a solution to find the

top

3

trending

hashtags

in

February

2024

. Every tweet may contain

several

hashtags

.

Return

the result table ordered by count of hashtag, hashtag in

descending

order.

The result format is in the following example.

Example 1:

Input:

Tweets table:

+---------+----------+---------------------------------------------------------+------------+ | user_id | tweet_id | tweet | tweet_date | +---------+----------+---------------------------------------------------------+------------+ | 135 | 13 | Enjoying a great start to the day. #HappyDay #MorningVibes | 2024-02-01 | | 136 | 14 | Another #HappyDay with good vibes! #FeelGood | 2024-02-03 | | 137 | 15 | Productivity peaks! #WorkLife #ProductiveDay | 2024-02-04 | | 138 | 16 | Exploring new tech frontiers. #TechLife #Innovation | 2024-02-04 | | 139 | 17 | Gratitude for today's moments. #HappyDay #Thankful | 2024-02-05 | | 140 | 18 | Innovation drives us. #TechLife #FutureTech | 2024-02-07 | | 141 | 19 | Connecting with nature's serenity. #Nature #Peaceful | 2024-02-09 | +---------+----------+---------------------------------------------------------+------------+

Output:

+-----------+-------+ | hashtag | count | +-----------+-------+ | #HappyDay | 3 | | #TechLife | 2 | | #WorkLife | 1 | +-----------+-------+

Explanation:

#HappyDay:

Appeared in tweet IDs 13, 14, and 17, with a total count of 3 mentions.

#TechLife:

Appeared in tweet IDs 16 and 18, with a total count of 2 mentions.

#WorkLife:

Appeared in tweet ID 15, with a total count of 1 mention.

Note:

Output table is sorted in descending order by count and hashtag respectively.

## 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 find_trending_hashtags(tweets: pd.DataFrame) -> pd.DataFrame:
```

## Solutions

### MySQL Solution:

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