Problem 3087: Find Trending Hashtags

Problem Information

Difficulty: Medium
Acceptance Rate: 60.82%
Paid Only: Yes
Tags: Database

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.

Write a solution to find the **top** `3` trending **hashtags** in **February** `2024`. Each tweet only contains one hashtag.

Return _the result table orderd 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 | 2024-02-01 | | 136 | 14 | Another #HappyDay with good vibes! | 2024-02-03 | | 137 | 15 | Productivity peaks! #WorkLife | 2024-02-04 | | 138 | 16 | Exploring new tech frontiers. #TechLife | 2024-02-04 | | 139 | 17 | Gratitude for today's moments. #HappyDay | 2024-02-05 | | 140 | 18 | Innovation drives us. #TechLife | 2024-02-07

| | 141 | 19 | Connecting with nature's serenity. #Nature | 2024-02-09 |
+---------+----------+--+-----------+

Output:

+-----------+--------------+ | hashtag | 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 hashtag_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
```