

Problem 2738: Count Occurrences in Text

Problem Information

Difficulty: Medium

Acceptance Rate: 55.00%

Paid Only: Yes

Tags: Database

Problem Description

Table: `Files`

+-----+-----+ | Column Name | Type | +-----+-----+ | file_name | varchar | | content | text | +-----+-----+
file_name is the column with unique values of this table.
Each row contains file_name and the content of that file.

Write a solution to find the number of files that have at least one occurrence of the words **`bull`** and **`bear`** as a **standalone word** , respectively, disregarding any instances where it appears without space on either side (e.g. 'bullet', 'bears', 'bull.', or 'bear' at the beginning or end of a sentence will **not** be considered)

Return _the word 'bull' and 'bear' along with the corresponding number of occurrences in
any order._

The result format is in the following example.

Example 1:

Input: Files table:

+-----+-----+-----+ | file_name |
content | +-----+-----+
draft1.txt | The stock exchange predicts a bull market which would make many investors
happy. || draft2.txt | The stock exchange predicts a bull market which would make many
investors happy, || | but analysts warn of possibility of too much optimism and that in fact we
are || | awaiting a bear market. || draft3.txt | The stock exchange predicts a bull market which
would make many investors happy, || | but analysts warn of possibility of too much optimism

and that in fact we are ||| awaiting a bear market. As always predicting the future market is an uncertain ||| game and all investors should follow their instincts and best practices. |

+-----+-----+-----+ **Output:**

+-----+-----+ word | count | +-----+-----+ bull | 3 | bear | 2 | +-----+-----+

Explanation: - The word "bull" appears 1 time in "draft1.txt", 1 time in "draft2.txt", and 1 time in "draft3.txt". Therefore, the total number of occurrences for the word "bull" is 3. - The word "bear" appears 1 time in "draft2.txt", and 1 time in "draft3.txt". Therefore, the total number of occurrences for the word "bear" is 2.

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
```