

# Problem 2738: Count Occurrences in Text

## Problem Information

Difficulty: **Medium**

Acceptance Rate: 0.00%

Paid Only: No

## 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
```

### Oracle:

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

### Pandas:

```
import pandas as pd

def count_occurrences(files: pd.DataFrame) -> pd.DataFrame:
```

## Solutions

### MySQL Solution:

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