

Problem 3374: First Letter Capitalization II

Problem Information

Difficulty: Hard

Acceptance Rate: 61.90%

Paid Only: No

Tags: Database

Problem Description

Table: `user_content`

+-----+-----+ | Column Name | Type | +-----+-----+ | content_id | int || content_text | varchar | +-----+-----+ content_id is the unique key for this table. Each row contains a unique ID and the corresponding text content.

Write a solution to transform the text in the `content_text` column by applying the following rules:

- * Convert the **first letter** of each word to **uppercase** and the **remaining** letters to **lowercase**
- * Special handling for words containing special characters:
 - * For words connected with a hyphen `-`, **both parts** should be **capitalized** (**e.g.** , top-rated -> Top-Rated)
 - * All other **formatting** and **spacing** should remain **unchanged**

Return _the result table that includes both the original`content_text` and the modified text following the above rules_.

The result format is in the following example.

Example:

Input:

user_content table:

```
+-----+-----+ | content_id | content_text |
+-----+-----+ | 1 | hello world of SQL | | 2 | the QUICK-brown fox | | 3
| modern-day DATA science | | 4 | web-based FRONT-end development |
+-----+-----+
```

****Output:****

```
+-----+-----+-----+ | content_id | original_text |
converted_text | +-----+-----+-----+ | 1 | hello
world of SQL | Hello World Of Sql | | 2 | the QUICK-brown fox | The Quick-Brown Fox | | 3 |
modern-day DATA science | Modern-Day Data Science | | 4 | web-based FRONT-end
development | Web-Based Front-End Development |
+-----+-----+-----+
```

****Explanation:****

- * For content_id = 1: * Each word's first letter is capitalized: "Hello World Of Sql"
- * For content_id = 2: * Contains the hyphenated word "QUICK-brown" which becomes "Quick-Brown"
- * Other words follow normal capitalization rules
- * For content_id = 3: * Hyphenated word "modern-day" becomes "Modern-Day"
- * "DATA" is converted to "Data"
- * For content_id = 4: * Contains two hyphenated words: "web-based" -> "Web-Based" * And "FRONT-end" -> "Front-End"

****Constraints:****

- * `context_text` contains only English letters, and the characters in the list `['\ ', '\ ', '@', '-', '/', '^', ',']`

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