

# 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
```