

# Problem 3368: First Letter Capitalization

## Problem Information

**Difficulty:** Hard

**Acceptance Rate:** 86.41%

**Paid Only:** Yes

**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 \* Keep all other letters in lowercase \* Preserve all existing spaces

**\*\*Note\*\*** : There will be no special character in `content\_text`.

Return \_the result table that includes both the original `content\_text` and the modified text where each word starts with a capital letter\_.

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 | data science AND machine learning | | 4 | TOP rated programming BOOKS |
+-----+-----+
```

**\*\*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
| data science AND machine learning | Data Science And Machine Learning | | 4 | TOP rated
programming BOOKS | Top Rated Programming Books |
+-----+-----+-----+
```

**\*\*Explanation:\*\***

\* For content\_id = 1: \* Each word's first letter is capitalized: Hello World Of Sql \* For  
content\_id = 2: \* Original mixed-case text is transformed to title case: The Quick Brown Fox \*  
For content\_id = 3: \* The word AND is converted to "And": "Data Science And Machine  
Learning" \* For content\_id = 4: \* Handles word TOP rated correctly: Top Rated \* Converts  
BOOKS from all caps to title case: Books

## 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
```