

# Problem 2309: Greatest English Letter in Upper and Lower Case

## Problem Information

**Difficulty:** Easy

**Acceptance Rate:** 71.63%

**Paid Only:** No

**Tags:** Hash Table, String, Enumeration

## Problem Description

Given a string of English letters `s`, return the **greatest** English letter which occurs as **both** a lowercase and uppercase letter in `s`. The returned letter should be in **uppercase**. If no such letter exists, return an empty string.

An English letter `b` is **greater** than another letter `a` if `b` appears **after** `a` in the English alphabet.

**Example 1:**

**Input:** `s = "l_Ee_ TcOd _E_ "` **Output:** `"E"` **Explanation:** The letter 'E' is the only letter to appear in both lower and upper case.

**Example 2:**

**Input:** `s = "a_r_ AzFif"` **Output:** `"R"` **Explanation:** The letter 'R' is the greatest letter to appear in both lower and upper case. Note that 'A' and 'F' also appear in both lower and upper case, but 'R' is greater than 'F' or 'A'.

**Example 3:**

**Input:** `s = "AbCdEfGhIjK"` **Output:** `""` **Explanation:** There is no letter that appears in both lower and upper case.

**Constraints:**

\*`1` <= s.length <= 1000` \*`s` consists of lowercase and uppercase English letters.

## Code Snippets

### C++:

```
class Solution {  
public:  
    string greatestLetter(string s) {  
  
    }  
};
```

### Java:

```
class Solution {  
    public String greatestLetter(String s) {  
  
    }  
}
```

### Python3:

```
class Solution:  
    def greatestLetter(self, s: str) -> str:
```