

5242. Greatest English Letter in Upper and Lower Case

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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* = "lEeTcOdE"
Output: "E"
Explanation:
The letter 'E' is the only letter to appear in both lower and upper case.

Example 2:

Input: *s* = "arRAzFif"
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.

JavaScript

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```
1 const counter = (a_or_s) => { let m = new Map(); for (const x of a_or_s) m.set(x, m.get(x) + 1 || 1); return m; };
2 const ord = (c) => c.charCodeAt();
3 const isUpperCase = (c) => { let x = ord(c); return x >= 65 && x <= 90; };
4
5 const greatestLetter = (s) => {
6   let a = "", b = "", res = "";
7   for (const c of s) isUpperCase(c) ? a += c : b += c;
8   let ma = counter(a), mb = counter(b);
9   for (const c of s) {
10    if (isUpperCase(c) && ma.get(c) >= 1 && mb.get(c.toLowerCase()) >= 1) {
11      if (c > res) res = c;
12    }
13  }
14  return res;
15 };
```

☐ Custom Testcase

Use Example Testcases

Run

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Submission Result: **Accepted** (/submissions/detail/725571408/) ⓘ

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