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345. Reverse Vowels of a String

Easy   👍 4439   👎 2769   ♡ Add to List   ⬆ Share

Given a string `s`, reverse only all the vowels in the string and return it.

The vowels are `'a'`, `'e'`, `'i'`, `'o'`, and `'u'`, and they can appear in both lower and upper cases, more than once.

Example 1:

```
Input: s = "hello"
Output: "holle"
```

Example 2:

```
Input: s = "leetcode"
Output: "leotcede"
```

Constraints:

- `1 <= s.length <= 3 * 10`^{5}
- `s` consist of **printable ASCII** characters.

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```python
class Solution:
    def reverseVowels(self, s: str) -> str:
        vowels = {'a', 'e', 'i', 'o', 'u', 'A', 'E', 'I', 'O', 'U'}
        s = list(s)
        i = 0
        j = len(s) - 1

        while i < j:
            if s[i] in vowels and s[j] in vowels:
                s[i], s[j] = s[j], s[i]
                i += 1
                j -= 1
            elif s[i] not in vowels:
                i += 1
            elif s[j] not in vowels:
                j -= 1

        return ''.join(s)
```

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