345. Reverse Vowels of a String

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 cases.

Example 1:

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

Example 2:

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

Constraints:

- `1 <= s.length <= 3 * 10<sup>5</sup>`
- `s` consist of **printable ASCII** characters.

```python
class Solution:
    def reverseVowels(self, s: str) -> str:
        i = 0
        j = len(s)-1
        vowels = {'a','e','i','o','u','A','E','I','O','U'}
        s = list(s)
        while i<j:
            if s[i] in vowels and s[j] in vowels:
                s[i],s[j] = s[j],s[i]
                i = i+1
                j = j-1
            elif s[i] in vowels and s[j] not in vowels:
                j = j-1
            elif s[i] not in vowels and s[j] in vowels:
                i = i+1
            elif s[i] not in vowels and s[j] not in vowels:
                i = i+1
                j = j-1
        return ''.join(s)
```