

345. Reverse Vowels of a String

Easy

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Write a function that takes a string as input and reverse only the vowels of a string.

Example 1:

Input: "hello"

Output: "holle"

Example 2:

Input: "leetcode"

Output: "leotcede"

Note:

The vowels does not include the letter "y".

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4  * 这里是字符串中的元音字母进行交换，一个从左往右，一个从右往左
5  */
6  public class L345 {
7      public String reverseVowels(String s) {
8          if(s.length() == 0 || s == null) {
9              return s;
10         }
11         int left = 0;
12         int right = s.length() - 1;
13         char [] resultChar = new char[s.length()];
14         while(left <= right) {
15             if(isVowel(s.charAt(left)) && isVowel(s.charAt(right))) {
16                 resultChar[left] = s.charAt(right);
17                 resultChar[right] = s.charAt(left);
18                 left ++;
19                 right --;
20             }else if (isVowel(s.charAt(left))) {
21                 resultChar[right] = s.charAt(right);
22                 right --;
23             }else if(isVowel(s.charAt(right))){
24                 resultChar[left] = s.charAt(left);
25                 left++;
26             }else {
27                 resultChar[left] = s.charAt(left);
28                 resultChar[right] = s.charAt(right);
29                 left ++;
30                 right --;
31             }
32         }
33         return new String(resultChar);
34     }
35     public boolean isVowel(char c) {
36         return c == 'a' || c == 'e' || c == 'i' || c == 'o' || c == 'u' ||
37             c == 'A' || c == 'E' || c == 'I' || c == 'O' || c == 'U';
38     }
39     public static void main(String[] args) {
40         System.out.println(new L345().reverseVowels("."));
41     }

```