Reverse Vowel of String in C++

```
#include <iostream>
#include <string>
#include <algorithm>
using namespace std;
bool isVowel(char ch) {
    return (ch == 'A' || ch == 'E' || ch == 'I' || ch == 'O' || ch == 'U' ||
            ch == 'a' || ch == 'e' || ch == 'i' || ch == 'o' || ch == 'u');
}

string reverseVowel(string s) {
    int left = 0;
    int right = s.length() - 1;

    while (left < right) {
        while (left < right && !isVowel(s[left])) {
            left++;
        }

        while (left < right && !isVowel(s[right])) {
            right--;
        }

        if (left < right) {
            swap(s[left], s[right]);
            left++;
            right--;
        }
    }

    return s;
}

int main() {
    string s = "hello";
    string result = reverseVowel(s);
    cout << result << endl; // Output should be "holle"
    return 0;
}
```

Input:

string s = "hello";

Vowels: e, o

🔁 Dry Run Table:

Step	left	right	s[left]	s[right]	Action	String After Change
1	0	4	h	o	h is not a vowel → left++	"hello"
2	1	4	e	o	Both are vowels → swap e and o	**"holle"**
3	2	3	l	l	No further vowel swap needed	"holle"

✅ Final Output:

holle

holle