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| **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 | |