```cpp
class Solution {
public:
    bool isVowel(char ch){
        if(ch == 'a' || ch == 'A' || ch == 'e' || ch == 'E' || ch == 'i' ||
            ch == 'I' || ch == 'o' || ch == 'O' || ch == 'u' || ch == 'U'){
            return true;
        }
        return false;
    }
    bool halvesAreAlike(string s) {
        int n = s.size();
        int half = n / 2;
        int count1 = 0, count2 = 0;
        for(int i = 0; i < half; i++){
            if(isVowel(s[i])){
                count1++;
            }
        }
        for(int i = half; i < n; i++){
            if(isVowel(s[i])){
                count2++;
            }
        }
        return (count1 == count2);
    }
};
```

1704. Determine if String Halves Are Alike

Solved ✓

Easy | Topics | Companies | Hint

You are given a string `s` of even length. Split this string into two halves of equal lengths, and let `a` be the first half and `b` be the second half.

Two strings are **alike** if they have the same number of vowels (`'a'`, `'e'`, `'i'`, `'o'`, `'u'`, `'A'`, `'E'`, `'I'`, `'O'`, `'U'`). Notice that `s` contains uppercase and lowercase letters.

Return `true` if `a` and `b` are **alike**. Otherwise, return `false`.

Approach:

1 => Divide String into two halves
2 => Count vowels for both halves
3 => Return true if count is equal else false

Dry Run:

string s = "textbook";

First half = "text"
No of Vowels = 1

Second half = "book"
No of Vowels = 2

No. of Vowels is not same for both halves so string is not alike

Daily Coding Challenge Completed!

Completion Streak: 116 Days

Consistency is key, see you tomorrow!