

125. Valid Palindrome ★

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Total Accepted: **121476** Total Submissions: **490215** Difficulty: **Easy**

Given a string, determine if it is a palindrome, considering only alphanumeric characters and ignoring cases.

For example,

"A man, a plan, a canal: Panama" is a palindrome.

"race a car" is *not* a palindrome.

Note:

Have you consider that the string might be empty? This is a good question to ask during an interview.

For the purpose of this problem, we define empty string as valid palindrome.

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C++



</>

```
1 class Solution {
2 public:
3     bool isPalindrome(string s) {
4         transform(s.begin(), s.end(), s.begin(), ::tolower);
5         auto i = s.begin(), j = prev(s.end());
6         while (j > i) {
7             if (!isalnum(*i)) {
8                 ++i;
9                 continue;
10            }
11            else if (!isalnum(*j)) {
12                --j;
13                continue;
14            }
15            else if (*i != *j) {
16                return false;
17            }
18            ++i;
19            --j;
20        }
```

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Notes

```
21         return true;
22     }
23 };
```

Custom Testcase ☐

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Notes

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