? Ask a Question

Valid Palindrome

We'll cover the following ⌃

- Statement
- Examples
- Understand the problem
- Figure it out!
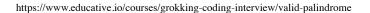- Try it yourself

Statement

Write a function that takes a string, s, as an input and determines whether or not it is a palindrome.

> **Note**: A **palindrome** is a word, phrase, or sequence of characters that reads the same backward as forward.

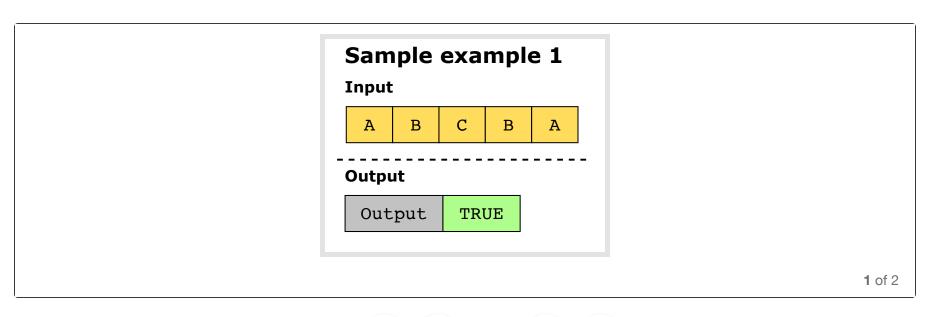**Constraints:**

- $1 \leq$ s.length $\leq 2 \times 10^5$

- The string s will not contain any white space and will only consist of ASCII characters(digits and letters).

Examples

Sample example 1

Input

| A | B | C | B | A |

- -

Output

| Output | TRUE |

1 of 2

Understand the problem

Let's take a moment to make sure you've correctly understood the problem. The quiz below helps you check if you're solving the correct problem:

Valid Palindrome

1   "abab" is a palindrome.

A) True

B) False

Reset Quiz ↻   Question 1 of 4   **Submit Answer**
                                   0 attempted
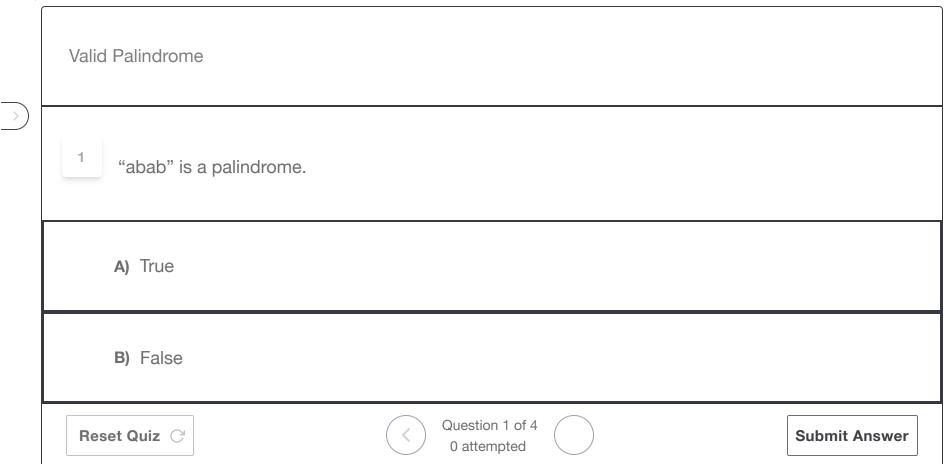   ‹   ◯

Figure it out!

We have a game for you to play. Rearrange the logical building blocks to develop a clearer understanding on how to solve this problem.

Sequence - Vertical ⓘ

Drag and drop the cards to rearrange them in the correct sequence.

0 — If they are not identical, return FALSE. Otherwise, move both pointers by one index toward the middle.

1 — Check whether or not the current pair of characters is identical.

2 — Initialize two pointers at the beginning and end of the string.

3 — Keep traversing them toward the middle until they meet.

4 — If we reach the middle of the string without finding a mismatch, return TRUE.

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Reset

Show Solution

Submit

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Try it yourself

Implement your solution in the following coding playground. The supporting code template provided in

`TwoPointers.java` is meant to assist in developing your solution to the problem.

Java

Main.java   Saved

```java
1  import java.util.*;
2
3  public class Main{
4      public static boolean isPalindrome(String s) {
5
6          // Replace this placeholder return statement with your code
7          return false;
8      }
9  }
```

Run   Submit

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☑ Test Cases   ✓≡ Results   ▢ Code Feedback BETA ⚡   ⌃

Valid Palindrome

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Introduction to Two Pointers   Solution: Valid Palindrome

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