

Remove All Adjacent Duplicates In String

Try to solve the Remove All Adjacent Duplicates In String problem.

We'll cover the following ^

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

Statement

You are given a string consisting of lowercase English letters. Repeatedly remove adjacent duplicate letters, one pair at a time. Both members of a pair of adjacent duplicate letters need to be removed.

Constraints:

- $1 \leq \text{string.length} \leq 10^5$
- `string` consists of lowercase English alphabets.

Examples

Sample example 1

Input

Input string	a	a	a
a	a	a	

Remove adjacent duplicates that are highlighted.

Output

a

All adjacent duplicates are removed from the string.


1 of 3



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:

Remove All Adjacent Duplicates In String



1

What will be the output after removing all adjacent duplicates from the string given below?

string = "azxxzy"

A) azzy

B) axxy

C) ay

D) " "

Submit Answer



Question 1 of 3
0 attempted



Reset Quiz ↺

Figure it out!

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



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

Initialize a stack to store characters. Traverse every character in the string.

In each iteration, if the string character is same as the character at the top of the stack, pop the character from the stack.

If the string character is different from the character at the top of the stack, push that character into the stack.

After all iterations, form a string from the characters in



the stack and return that string.

Reset

Show Solution

Submit

Try it yourself



Java



usercode > main.java

```
1 import java.util.*;
2 public class Main{
3     public static String removeDuplicates(String s) {
4
5         // Write your code here
6
7         return "";
8     }
9 }
```

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Test Cases

Results

Case 1

Case 2

Case 3

Input #1

"g"

Remove All Adjacent Duplicates In String

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Solution: Basic Calcul...

Solution: Remove All ...

☒ Mark as Completed

