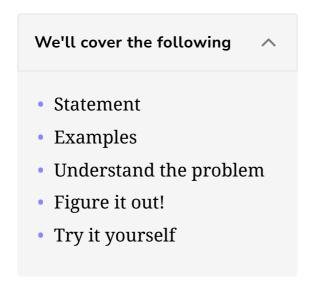
Reorganize String

Try to solve the Reorganize String problem.



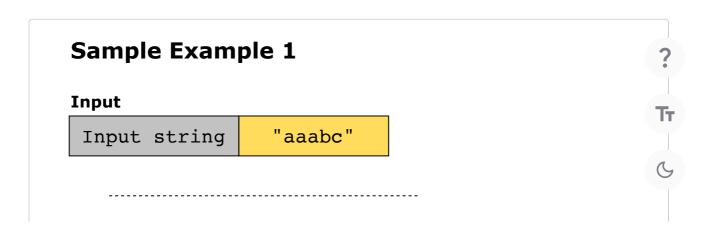
Statement

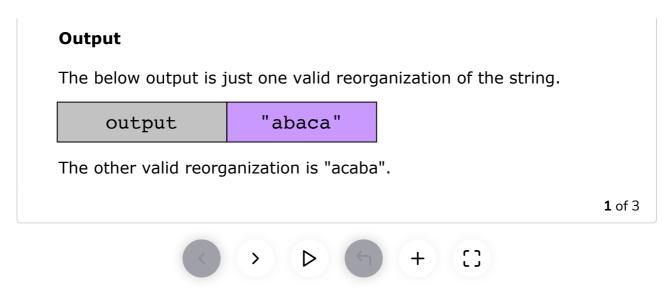
Given a string, str, rearrange it so that any two adjacent characters are not the same. If such a reorganization of the characters is possible, output any possible valid arrangement. Otherwise, return an empty string.

Constraints:

- $1 \leq \text{str.length} \leq 500$
- Input string consists of lowercase English letters.

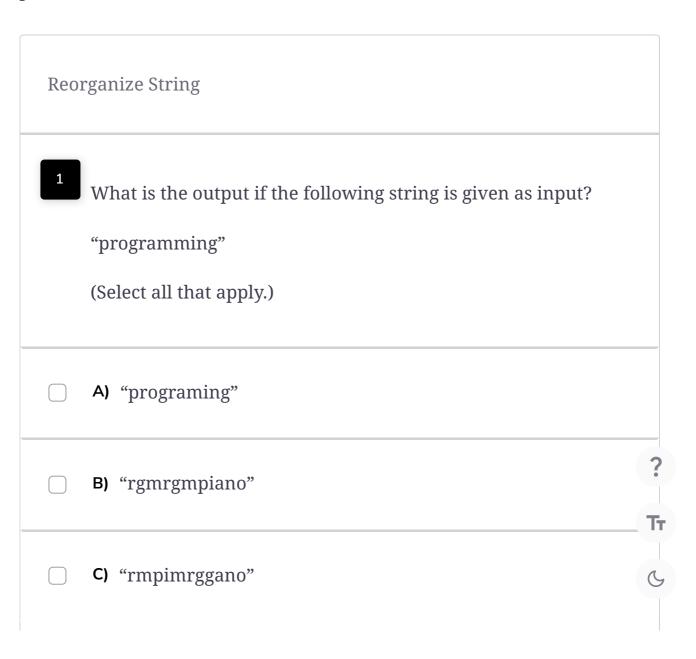
Examples





Understand the problem

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



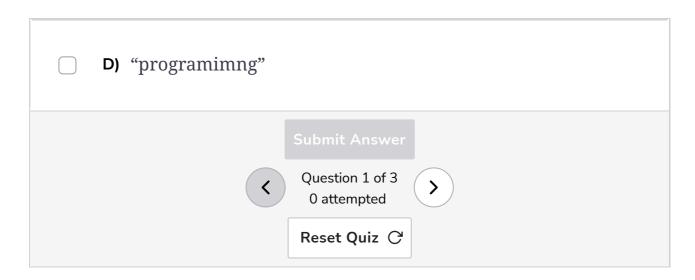
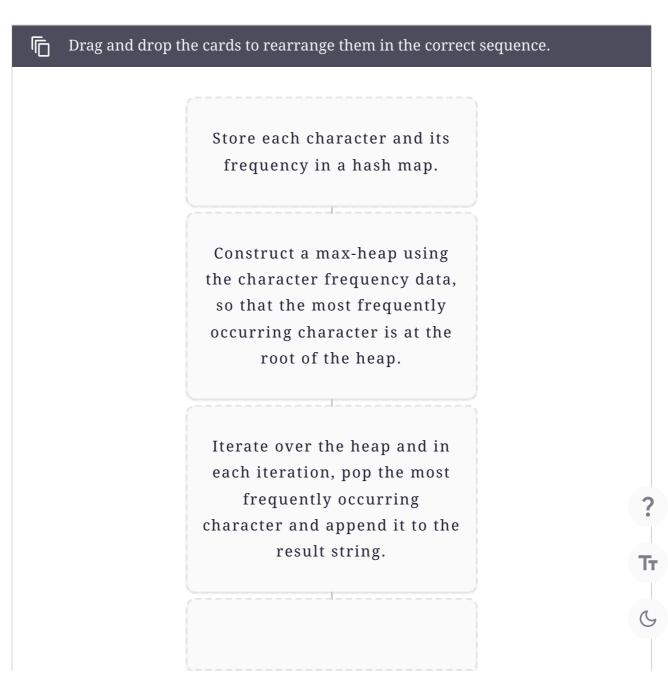
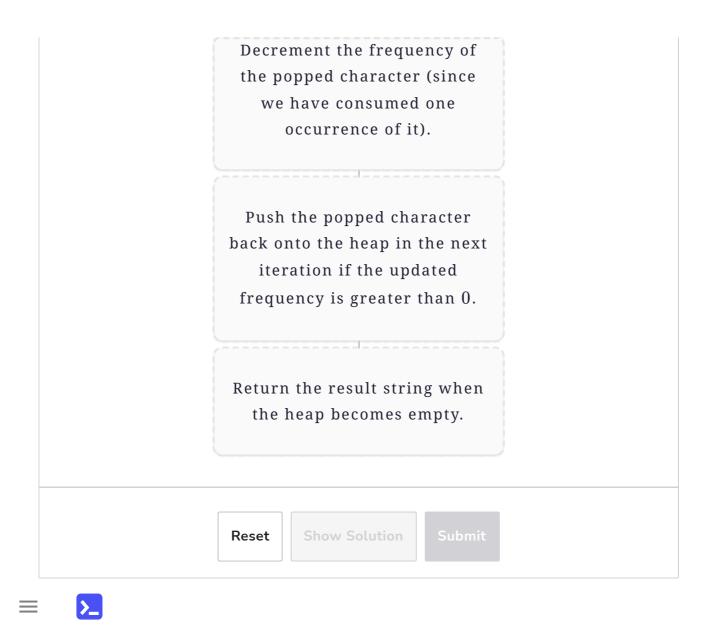


Figure it out!

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





Implement your solution in the following coding playground:

```
🍨 Java
                                                                        G
usercode > main.java
  1
     import java.util.*;
  2
     public class Main{
          public static String reorganizeString(String string1) {
  3
  4
              // Write your code here
  6
              return "";
         }
  8
     }
  9
```

