**Problem 3: Break a Palindrome**

A palindrome reads the same from left to right and right to left, e.g., “mom” is a palindrome. You are given a palindrome string that must be modified if possible. Your task is to change exactly one character in the string to another character from the range ‘a’ to ‘z’ (both inclusive) so that the string meets the following three conditions:

1. The new string is lower alphabetically than the initial string.
2. The new string is the lowest value string alphabetically that can be created from the original palindrome after making only one change.
3. The new string is not a palindrome.

If there is no valid way to modify the palindrome string, return the string “IMPOSSIBLE”.

Solution: O(N) Time Complexity with single traversal