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import java.util.Scanner;
public class PalindromeChecker {
  // Function to reverse a string
  public static String reverseString(String str) {
     StringBuilder rev = new StringBuilder();
     for (int i = str.length() - 1; i >= 0; i--) {
       rev.append(str.charAt(i));
     }
     return rev.toString();
  }
  // Function to check if a string is a palindrome
  public static boolean isPalindrome(String str) {
     String cleanedStr = str.replaceAll("\\s+", "").toLowerCase(); // Remove spaces and
make lowercase
     return cleanedStr.equals(reverseString(cleanedStr));
  }
  public static void main(String[] args) {
     Scanner sc = new Scanner(System.in);
     System.out.print("Enter a string: ");
     String input = sc.nextLine();
     String reversed = reverseString(input);
     System.out.println("Reversed String: " + reversed);
     if (isPalindrome(input)) {
       System.out.println("PALINDROME");
       System.out.println("Not a PALINDROME");
     }
     sc.close();
  }
}
```