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import java.util.*;

public class palin {
    public static boolean isPalindrome(String word) {
        boolean palin = true;
        int len = word.length();
        for (int i = 0; i <= len / 2; i++) {
            if (word.charAt(i) != word.charAt(len - 1 - i)) {
                palin = false;
                break;
            }
        }
        return palin;
    }

    public static String makePalindrome(String word) {
        int len = word.length();
        char lastChar = word.charAt(len - 1);
        int i = len - 1;
        while (word.charAt(i) == lastChar) {
            i--;
        }
        StringBuffer sb = new StringBuffer(word);
        for (int j = i; j >= 0; j--) {
            sb.append(word.charAt(j));
        }

        return sb.toString();
    }

    public static void main(String args[]) {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter the Sentence:");
        String Str = sc.nextLine().trim().toUpperCase();
        int len = Str.length();

        char lastChar = Str.charAt(len - 1);
        if (lastChar != '.'
            && lastChar != '?'
            && lastChar != '!') {
            System.out.println("INVALID INPUT");
            return;
        }

        String str = Str.substring(0, len - 1);

        StringTokenizer st = new StringTokenizer(str);
        StringBuffer sb = new StringBuffer();

        while (st.hasMoreTokens()) {
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        String word = st.nextToken();
        boolean isPalinWord = isPalindrome(word);
        if (isPalinWord) {
            sb.append(word);
        } else {
            String palinWord = makePalindrome(word);
            sb.append(palinWord);
        }
        sb.append(" ");
    }

    String convertedStr = sb.toString().trim();

    System.out.println();
    System.out.println(Str);
    System.out.println(convertedStr);
}
}
```