import java.util.Scanner;

public class WordChecker {

// Function to check if a word is a palindrome

public static boolean isPalindrome(String word) {

int length = word.length();

for (int i = 0; i < length / 2; i++) {

if (word.charAt(i) != word.charAt(length - 1 - i)) {

return false;

}

}

return true;

}

// Function to check if a word is a special word

public static boolean isSpecialWord(String word) {

return word.charAt(0) == word.charAt(word.length() - 1);

}

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print("Enter a word: ");

String word = scanner.nextLine();

if (isPalindrome(word) && isSpecialWord(word)) {

System.out.println(word + " is both a palindrome and a special word.");

} else if (isPalindrome(word)) {

System.out.println(word + " is a palindrome.");

} else if (isSpecialWord(word)) {

System.out.println(word + " is a special word.");

} else {

System.out.println(word + " is neither a palindrome nor a special word.");

}

}

}