



KARTHICK B-1912067@nec

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## 🏆 LeaderBoard & Prev Day Solution

**DAILY TEST**

ProgramID- 6242



SkillRack

Time Left: 00:04:22

### Divide Palindromes

The program must accept a string S as the input. String S is formed by concatenating two palindromes. The program must divide and print the palindromes separately.

**Note:** If the input string is "aaa", there are two possible outputs - 'a aa' and 'aa a'. The program must print the possible output with the first palindrome of minimum possible length 'a aa'.

### Boundary Condition(s):

$2 \leq \text{Length of } S \leq 100$

### Input Format:

The first line contains the string S.

### Output Format:

The first line contains the two string values separated by a space.

### Example Input/Output 1:

Input:

cdcrotor

Output:

cdc rotor

Explanation :

The two palindromes are "cdc" and "rotor".

**Example Input/Output 2:**

Input:

ababamadam

Output:

ababa madam

Explanation :

The substring "aba" is a palindrome but the substring "bamadam" is not a palindrome. Hence the output is "ababa madam".

**Max Execution Time Limit: 5000 millisecs**

Ambiance



Java ( 12.0)



Reset

```
1 import java.util.*;
2 public class Hello {
3
4     public static void main(String[] args) {
5
6         Scanner sc = new Scanner(System.in);
7
8         char[] x = sc.nextLine().toCharArray();
9         int longg=1;
10
11         for(int i=0;i<x.length;i++){
12             if(isPalindrome(0,i,x) &&
13             isPalindrome(i+1,x.length-1,x)){
14                 longg=i;
15                 break;
16             }
17         }
18         // System.out.println(longg);
19         System.out.print(new String(x).substring(0,longg+1)+"
20         System.out.println(new String(x).substring(longg+1));
21
22     }
23
24     public static boolean isPalindrome(int s,int x,char[] arr)
25
26         int left=s;
27         int right=x;
28
29         while(left<right){
30             if(arr[left]!=arr[right]){
31                 return false;
32             }
33             left++;right--;
```

```
33         return true;
34     }
35     return true;
36 }
37 }
```

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Code did not pass the execution

Input:

aaaa

Expected Output:

a aaa

Your Program Output:

aa aa

Save

Run