

Daily Test

Happy Coding from necse



SkillRack

Time Left: 00:00:00

Print Largest and Smallest Palindrome

A series of strings is passed as input. The program must print the largest and smallest palindrome in it. If more than one largest or smallest palindrome exist print the first occurring palindrome. If there is no palindrome then print -1.

Boundary Condition(s): $1 \leq \text{length of string} \leq 100$ **Input Format:**

The first line contains series of strings separated by space(s).

Output Format:

The first line contains the largest palindrome.

The second line contains the smallest palindrome.

Example Input/Output 1:

Input:

aba abba abcba aabbbaa z

Output:

aabbbaa

z

Example Input/Output 2:

Input:

madam mam mem modulation malayalam

Output:

malayalam

mam

Max Execution Time Limit: 5000 millisecs

Ambiance

Java (12.0)



```
1  import java.util.*;
2  public class Hello {
3
4      public static void main(String[] args) {
5          //Your Code Here
6          Scanner sc=new Scanner(System.in);
7          String[] str=sc.nextLine().split(" ");
8          ArrayList<String> res=new ArrayList<>();
9          for(int i=0;i<str.length;i++){
10             String a=str[i];
11             if(a.length()%2==0){
12                 String l=a.substring(0,a.length()/2);
13                 String h=a.substring(a.length()/2,a.length());
14                 // System.out.print(h+" "+l);
15                 //System.out.print(l+" ");
16                 StringBuilder q=new StringBuilder(h).reverse()
17                 if(l.equals(q.toString())){
18                     res.add(str[i]);
19                 }
20             }
21             else{
22                 String l=a.substring(0,a.length()/2);
23                 String h=a.substring((a.length()/2)+1,a.length()
24                 // System.out.print(l+" "+h+" ");
25                 //System.out.print(h+" ");
26                 StringBuilder q=new StringBuilder(h).reverse();
27                 if(l.equals(q.toString())){
28                     res.add(str[i]);
29                 }
30             }
31         }
32     }
33     // Collections.sort(res);
34
35     String max=res.get(0);
36     String min=res.get(0);
37     for(String j:res){
38         if(max.length(<j.length()){
39             max=j;
40
41         }
42         if(min.length(>j.length()){
43             min=j;
44
45         }}
46     System.out.println(max);
47     System.out.println(min);
48     // System.out.print(res);
49     //System.out.print(Arrays.toString(str));
50
51 }
52 }
```

1912080@nec

Code did not pass the execution

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Input:

aba abba abcba aabbaa z

Expected Output:

**aabbaa
z**

Your Program Output:

[aabbaa, aba, abba, abcba, z]

Save

Run