



## Unique Alphabets to Ranges

The program must accept a string **S** containing only lower case alphabets as the input. The program must find the unique alphabets in the given string and print the alphabets as ranges in sorted order as shown in the Example Input/Output section.

### Boundary Condition(s):

1 <= Length of S <= 100

### Input Format:

The first line contains S.

### Output Format:

The lines contain the alphabets ranges in sorted order.

### Example Input/Output 1:

Input:

fhjgipqrtsifif

Output:

fj

p:t

Explanation:

Here **S = fhjgipqrtsifif**.

The unique alphabets present in the string S are given below.

**f g h i j p q r s t**

1<sup>st</sup> range -> **f:j**

2<sup>nd</sup> range -> **p:t**

### Example Input/Output 2:

Input:

abbackxyzzponm

Output:

a:c

k:k

m:p

x:z

**Max Execution Time Limit: 50 millisecs**

Ambiance

Java ( 12.0)



```

1 import java.util.*;
2 public class Hello {
3
4     public static void main(String[] args) {
5
6         Set<Character> st = new TreeSet<>();
7         Map<Character,Character> ht = new LinkedHashMap<>();
8         Scanner sc = new Scanner(System.in);
9
10        boolean left = true;
11
12        for(char i:sc.nextLine().toCharArray()){
13            st.add(i);
14        }
15
16        char prev = '\0';
17        char first = '\0';
18
19        for(char i:st){
20            if(prev=='\0'){
21                first=i;
22                prev=i;
23                continue;
24            }
25
26            if(i-prev!=1){
27                ht.put(first,prev);
28                prev='\0';
29                first=i;
30                prev=i;
31            }else {
32                prev=i;
33            }
34        }
35        ht.put(first,prev);
36
37        for(Map.Entry<Character,Character> e : ht.entrySet()){
38            System.out.println(e.getKey()+" "+e.getValue());
39        }
40
41    }
42 }

```

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Code did not pass the execution

Input:

fhjgipqrtsifif

Expected Output:

f:j  
p:t

Your Program Output:

f:-j  
p:-t

Save

Run