InfyTQ SET 002

Solved Challenges **3/5**

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Combine Similar Alphabets

ID:10566   Solved By 179 Users

InfyTQ

The program must accept a string **S** and combine the similar alphabets (lower and upper case are similar) based on their order of occurrence. Then the program must form a new string **M** by alternating the elements from first and last.

Boundary Condition(s):
1 <= Length of S <= 1000

Input Format:
The first line contains S.

Output Format:
The first line contains M.

Example Input/Output 1:
Input:
HelLoWOrld

Output:
dWerHoOlLl

Explanation:
'd', 'e', 'H', 'lLl', 'oO', 'r', 'W' are the grouped similar alphabets.
So **d** and **W** are printed first.
Then **e** and **r** are printed.
Then **H** and **oO** are printed.
Then **lLl** is printed.

Example Input/Output 2:
Input:
tapa

Output:
aatp

Example Input/Output 3:
Input:
u

Output:
u

Max Execution Time Limit: 500 millisecs

Ambiance

Python3 (3.x)   ▼

✕

Reset

```
 1  string = input().strip()
 2
 3  arr = [char for char in string]
 4  arr.sort(key=str.lower)
 5  s=""
 6  ans=[]
 7  index=0
 8  while(index<len(arr)-1):
 9      s = arr[index]
10      while(index<len(arr)-1 and (arr[index+1].lower() == arr[in
            .lower())):
11          s+=arr[index+1]
12          index+=1
13      ans.append(s)
14      index+=1
15
16  if(index!=len(arr)):
17      ans.append(arr[-1])
18
19  start=0
20  end=len(ans)-1
21  for index in range(len(ans)):
22      if(index%2==0):
23          print(ans[start],end="")
24          start+=1
25      else:
26          print(ans[end],end="")
27          end-=1
```

Code did not pass the execution   —   ✕

TestCase ID: 58022

Input:

HelLoWOrld

Expected Output:

dWerHoOlLl

Your Program Output:

['d', 'e', 'H', 'l', 'L', 'l', 'o', 'O', 'r', 'W']
['d', 'e', 'H', 'lLl', 'oO', 'r', 'W']
dWerHoOlLl

Save   Run

☐   Run with a custom test case (Input/Output)