InfyTQ SET 001

Solved Challenges **0/5**

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Sort Upper Lower - Case

ID:8937   Solved By 914 Users

The program must accept a string S as the input. The program must sort the uppercase alphabets and lowercase alphabets separately. Then the program must print the sorted uppercase alphabets and sorted lowercase alphabets alternatively as the output.

Boundary Condition(s):
1 <= Length of String <= 10^5

Input Format:
The first line contains S.

Output Format:
The first line contains the alphabets as per the given conditions.

Example Input/Output 1:
Input:
TraDItIoN

Output:
DaIoIrNtT

Explanation:
The uppercase alphabets are sorted as D I I N T
The lowercase alphabets are sorted as a o r t
They are alternatively printed as DaIoIrNtT

Example Input/Output 2:
Input:
SEcuRITY

Output:
EcluRSTY

Max Execution Time Limit: 500 millisecs

Ambiance

Python3 (3.x)

Reset

```
1   string = list(input().strip())
2
3   string.sort()
4   ind= 0
5   for char in string:
6       if(char.islower()):
7           ind = string.index(char)
8           break
9   upper = string[:ind]
10  lower = string[ind:]
11
12  larger = []
13  if(len(upper)<len(lower)):
14      length =len(upper)
15      larger = lower
16  else:
17      length = len(lower)
18      larger = upper
19  index=0
20  for index in range(length):
21      print(upper[index],end="")
22      print(lower[index],end="")
23
24  if(length==0):
25      for i in range(len(larger)):
26          print(larger[i],end="")
27  else:
28      for i in range(index+1,len(larger)):
29          print(larger[i],end="")
30
```

Code did not pass the execution   — ✕

Your Program Output:

ABFFFGGGHHHRY

Save   Run

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