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ENG IN 9:57 AM 2/6/2023

Mercer mettl Trilok D LP_Practice_FindStringCode / Saved: 30 seconds ago

Test Time: 00:09:54 Finish Test

1. Program

The string (grouping) should be formed as follows:

NOTE1: The value of each letter is its position in the English alphabet system i.e. a=A=1, b=B=2, c=C=3, and so on till z=Z=26.

So, the result will be the same for "WORLD WIDE WEB" or "World Wide Web" or "world wide web" or any other combination of uppercase and lowercase letters.

IMPORTANT Note: In Step1, after subtracting the alphabets, we should use the absolute values for calculating the sum. For instance, in the below example, both [H-O] and [E-L] result in negative number -7, but the positive number 7 (absolute value of -7) is used for calculating the sum of the differences.

Hello = [H-O]+[E-L]+[L] = [-8-15]+[-5-12]+[12] = [7]+[7]+[12] = [26]

Assumptions: The given string (sentence) will contain only alphabet characters and there will be only one space character between any two consecutive words.

You are expected to help Zak, by writing a function that takes a string (sentence) as input, performs the above mentioned processing on the sentence and returns the result (number).

Example1:
input1 = "World Wide Web"
output1 = 402326

Example2:
input1 = "Hello World"
output1 = 2640

Explanation:
Hello = [H-O]+[E-L]+[L] = [-8-15]+[-5-12]+[12] = [7]+[7]+[12] = [26]
World = [W-D]+[O-L]+[R] = [23-4]+[-15-12]+[18] = [19]+[3]+[18] = [40]
Result = Number formed by concatenating [26] and [40] = 2640

Attempted: 1/1

```
12 string value2="";  
13 for(int i=0;i<word.length();i++){  
14     int sum=0;  
15     for(int j=0;j<word[i].length()/2;j++){  
16         int first=word[i].charAt(j);  
17         int last=word[i].charAt(word[i].length()-1-j);  
18         sum+=Math.abs(first-last);  
19     }  
20     if(word[i].length()%2!=0){  
21         sum+=(word[i].charAt(word[i].length()/2)-64);  
22     }  
23     String value=Integer.toString(sum);  
24     value2+=value;  
25 }  
26 
```

☐ Use Custom Input

Compile and Test Submit Code

Code Execution Code History

JAVAT 2/6/2023, 9:55:26 AM
7/7 - GRADED TEST CASES PASSED

JAVAT 2/6/2023, 9:54:31 AM
7/7 - GRADED TEST CASES PASSED

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1. Program

1

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