

1. Program

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Attempted: 1/1

Question 1

🔖 Revisit Later

How to Attempt?

Weight of String: Write a function that takes a string as input and calculates the weight of the string as per rules mentioned below.

For calculating the weight of the string.

- Weight of all alphabetic characters that appear in the string should be added
- Weight of vowels that appear in the string should either be ignored OR added depending upon a specified option
- All non-alphabetic characters in the string should be ignored
- Weight of each letter is its position in the English alphabet system, i.e. weight of a=1, weight of b=2, weight of c=3, weight of d=4, and so on...weight of y=25, weight of z=26.
- Weight of Upper-Case and Lower-Case letters should be taken as the same, i.e. weight of A=a=1, weight of B=b=2, weight of C=c=3, and so on...weight of Z=z=26.

Example1:

Let us assume the word is "Hello World!!" and vowels are to be ignored.

Weight of "Hello World!!" = $8+0+12+12+0+0+23+0+18+12+4+0+0 = 89$

Note: Note that weight of vowels is ignored. Also note that the weight of non-alphabetic characters such as space character and ! is taken as zero.

Example2:

Let us assume the word is "Hello World" and vowels are to be included.

Weight of "Hello World" = $8+5+12+12+15+0+23+15+18+12+4+0+0 = 124$

Note: Note that weight of vowels is included. Also note that the weight of non-alphabetic characters such as space character and ! is taken as zero.

The function will accept two input parameters: **input1** and **input2**,

where,

input1 represents the string whose weight needs to be calculated, and,

input2 represents the option specifying whether or not the weight of vowels should be included.

If input2 is **0**, vowels that appear in the string should be ignored.

If input2 is **1**, weight of vowels that appear in the string should also be added.

The function is expected to calculate and return the weight of the string.

JAVA8

Compiler: Java - 1.8

```
4 // Read only region start
5 class UserMainCode
6 {
7
8     public int weightOfString(String input1,int input2){
9         // Read only region end
10        // Write code here...
11        String str=input1.toUpperCase();
12        int sum=0;
13        for(int i=0;i<input1.length();i++)
14        {
15            if(input2==0)
16            {
17                if(str.charAt(i)=='A' || str.charAt(i)=='E' ||str.charAt(i)=='I' || str.charAt(i)=='O' || str.ch
18                {
19                    continue;
20                }
21            }
22            else
23            {
24                int a=str.charAt(i)-64;
25                sum+=a;
26            }
27        }
28        else
29        {
30            if(!Character.isLetter(str.charAt(i)))
31            {
32                continue;
33            }
34            else
35            {
36                int a=str.charAt(i)-64;
37                sum+=a;
38            }
39        }
40        return sum;
41    }
42 }
```

☐ Use Custom Input

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Compile and Test

Submit Code

Mercer

mettl

sujana

LP_Practice_weightOfString

Saved: 30 seconds ago

1. Program

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Revisit Later

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Example2:

Let us assume the word is "Hello World" and vowels are to be included.

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The function will accept two input parameters input1 and input2, where,

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If input2 is 1, weight of vowels that appear in the string should also be added.

The function is expected to calculate and return the weight of the string.

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Use Custom Input

Code Execution

0/6 - Graded Tests

TC1

TC2

TC3

TC4

TC5

TC6

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Finish Test

Remaining Time: 00:57:05

Your Test Summary

1 Total Questions

Attempted: 1/1

Marked for Revisit: 0/1

Unattempted: 0/1

Section Summary

#	SECTION NAME	STATUS
1.	Program Untimed Section	<div>1</div> <div>Total: 1 Questions</div>

Yes, End Test!

No, Back to Test