1. Program

1

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**,

JAVA7 | Compiler: Java - 1.7

```java
import java.io.*;
import  java.util.*;

// Read only region start
class UserMainCode
{

    public int weightOfString(String input1,int input2){
        // Read only region end
        int weight = 0;
        for (int i = 0; i < input1.length(); i++) {
            char letter = input1.charAt(i);

            if (input2 == 0) {
                if (letter == 'a' || letter == 'e' || letter == 'i' || letter == 'o' || letter == 'u' ||
                    letter == 'A' || letter == 'E' || letter == 'I' || letter == 'O' || letter == 'U')
                    continue;
            }

            if (letter >= 65 && letter <= 90) weight += letter - 64;
            else if (letter >= 97 && letter <= 122) weight += letter - 96;
        }
        return weight;
    }
}
```

Use Custom Input

Compile and Test | Submit Code

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Weight of "Hello World!!" = 8+5+12+12+15+0+23+15+18+12+4+0+0 = 124
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The function will accept two input parameters **input1** and **input2**,

default

CODE EXECUTION DETAILS
Time: 258 ms
Memory: 103812 kb

TEST CASE INFORMATION
Input
Hello World,0
Expected Output
89
Actual Output
89

CONSOLE OUTPUT

STANDARD ERROR/WARNING
None

default2

Question 1

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

default

default2

CODE EXECUTION DETAILS
Time: 165 ms
Memory: 103812 kb

TEST CASE INFORMATION
Input
Hello World,1
Expected Output
124
Actual Output
124

CONSOLE OUTPUT

STANDARD ERROR/WARNING
None

Question 1

Revisit Later

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Use Custom Input

Compile and Test | Submit Code

Code Execution | Code History

0/6 - Graded Test Cases Failed

- TC1
- TC2
- TC3
- TC4
- TC5
- TC6

Online Test Window

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LP_Practice_weightOfString / Saved: 60 seconds ago

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Attemp

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Use Custom In

Code Execution

0/6 - Graded Test

TC1

TC2

TC3

TC4

TC5

TC6

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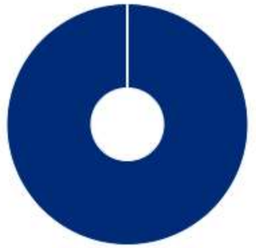
Remaining Time: 01:02:12



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	1 0 Total: 1 Questions

Yes, End Test!

No, Back to Test

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