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**,
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.

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
        // Write code here...
        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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Example2:
Let us assume the word is "Hello World" and vowels are to be included.
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Code Execution | Code History

0/2 - Sample Test Cases Failed

default

CODE EXECUTION DETAILS
Time: 147 ms
Memory: 103812 kb

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

CONSOLE OUTPUT

STANDARD ERROR/WARNING
None

default2

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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