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W9_Programming_Qs-3

Due on 2023-03-30, 23:59 IST

Consider the following program (in C++11), which finds the frequency of each vowel in a given string. Fill in the blanks as per the instructions given below:

• Fill in the blank at `LINE-1` with an appropriate statement to iterate over the given string str.
• Fill in the blank at `LINE-2` with conditional statement to extract the vowels.
• Fill in the blank at `LINE-3` with an appropriate statement to iterate over the given map vFreq, and print it.

The program must satisfy the sample input and output.

Your last recorded submission was on 2023-03-25, 21:14 IST

Select the Language for this assignment. C++

```
1  #include <iostream>
2  #include <map>
3  #include <string>
4
5  std::map<char, int> findVowelFrequency(std::string str){
6      std::map<char, int> vFreq;
7  for (auto it = str.begin(); it != str.end(); ++it)   //LINE-1
8          if(*it=='a' ||  *it=='e'|| *it=='e'||   *it=='i'||  *it=='o'||
9              vFreq[*it]++;
10     return vFreq;
11 }
12
13 void print(std::map<char, int> vFreq){
14     for (auto it= vFreq.begin(); it !=vFreq.end(); ++it)
```

```
0 std::cout << it->first << " -> " << it->second << std::endl;
1 }
2
3 int main() {
4     std::string s;
5     std::cin >> s;
6     std::map<char, int> vFreq = findVowelFrequency(s);
7     print(vFreq);
8     return 0;
9 }
```

You may submit any number of times before the due date. The final submission will be considered for grading.

This assignment has Public Test cases. Please click on "Compile & Run" button to see the status of Public test cases. Assignment will be evaluated only after submitting using Submit button below. If you only save as or compile and run the Program , your assignment will not be graded and you will not see your score after the deadline.

Save as Draft | Compile & Run | Submit | Reset

Private Test cases used for Evaluation	Status
Test Case 1	Passed

- **W9_Programming_Qs-3 (/noc23_cs50/progassignment?name=207)**

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