REC-CIS

GE23131-Programming Using C-2024 Quiz navigation Show one page at a time Finish review

Question 1 Correct 1.00

Marked out of question

Input Format The first line contains a string, *num* which is the given number. **Constraints**

Status Finished

Duration 6 mins 51 secs

Started Monday, 30 December 2024, 2:30 PM

Given a string, s, consisting of alphabets and digits, find the frequency of each

Completed Monday, 30 December 2024, 2:37 PM

digit in the given string.

1 ≤ len(num) ≤ 1000 All the elements of num are made of English alphabets and digits. **Output Format**

Print ten space-separated integers in a single line denoting the frequency of each digit from 0 to 9. Sample Input 0 a11472o5t6 **Sample Output 0**

0210111100 1 occurs two times. **2**, **4**, **5**, **6** and **7** occur one time each.

Explanation 0 In the given string: 6

The remaining digits 0, 3, 8 and 9 don't occur at all. Answer: (penalty regime: 0 %) 1 #include <stdio.h> #include <string.h> 4 **v** int main() { char num[1001]; int freq[10] = {0}; scanf("%1000s", num); 8 9 for (int i = 0; i < strlen(num); i++) {</pre> 10 • if (num[i] >= '0' && num[i] <= '9') {</pre> 11 • 12 13 14 15 16 for (int i = 0; i < 10; i++) { 17 printf("%d", freq[i]); 18 if (i < 9) {</pre> 19 20 21 22 printf("\n"); 23 24

freq[num[i] - '0']++;

Expected

Got

0 2 1 0 1 1 1 1 0 0 0 2 1 0 1 1 1 1 0 0

0 2 1 0 1 0 0 0 2 0 0 2 1 0 1 0 0 0 2 0

printf(" ");

25 return 0; 26 27 Input a11472o5t6 lw4n88j12n1 1v88886l256338ar0ekk | 1 1 1 2 0 1 2 0 5 0 | 1 1 1 2 0 1 2 0 5 0 Passed all tests! < Today, Monk went for a walk in a garden. There are many trees in the garden and each tree has an English alphabet on it. While Monk was walking, he noticed that all trees with vowels on it are not in good state. He decided to take care of them. So, he asked you to tell him the count of such trees in the garden.

Note: The following letters are vowels: 'A', 'E', 'I', 'O', 'U', 'a', 'e', 'i', 'o' and 'u'. Input: The first line consists of an integer *T* denoting the number of test cases. Each test case consists of only one string, each character of string denoting the alphabet (may be lowercase or uppercase) on a tree in the garden. Output: For each test case, print the count in a new line. **Constraints**:

 $1 \le T \le 10$

2

2

1

SAMPLE INPUT

nBBZLaosnm

SAMPLE OUTPUT

JHklsnZtTL

Explanation

6 7 8

10

11 12

13 •

14

15 16

17

18 •

19 20

21 22 23

28 29

Input

nBBZLaosnm 1

nBBZLaosnm 1

JHkIsnZtTL

JHkIsnZtTL

Passed all tests! <

Input Format

Constraints

 $1 \le len(s) \le 1000$

Output Format

Sample Input 0

Sample Output 0

Explanation 0

This is C

This

is

С

Answer: (penalty regime: 0 %)

9 int main() {

int T;

scanf("%d", &T);

char str[100001];

scanf("%s", str);

int count = 0;

Expected

2

The first and only line contains a sentence, **s**.

Print each word of the sentence in a new line.

Got

2

Given a sentence, **s**, print each word of the sentence in a new line.

In the given string, there are three words ["This", "is", "C"]. We have to print

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while (T--) {

return 0;

1 #include <stdio.h> 2 #include <string.h>

3 | int is_vowel(char c) {

In test case 1, a and o are the only vowels. So, count=2

return (c == 'a' || c == 'e' || c == 'i' || c == 'o' c == 'A' || c == 'E' || c == 'I' || c == '0'

for (int i = 0; i < strlen(str); i++) {</pre>

if (is_vowel(str[i])) {

count++;

printf("%d\n", count);

 $1 \le length of string \le 10^5$

Question **2**

Marked out of

Correct

1.00

question

Question **3** Correct Marked out of 1.00 ▼ Flag question

Question **4** Correct Marked out of 1.00 question

abcd

ef

4 2

abcdef

ebcd af

Explanation

a = "abcd"

Answer: (penalty regime: 0 %) 1 #include <stdio.h> #include <string.h> int main() { char s[1001]; 6 7 fgets(s, sizeof(s), stdin); 8 9 10 s[strcspn(s, "\n")] = '\0'; 11 12 13 char *word = strtok(s, " "); 14 15 16 17 • return 0;

each of these words in a new line.

while (word != NULL) { printf("%s\n", word); word = strtok(NULL, " "); **Expected** Got Input This This is C This is is C Learning C is fun Learning Learning is is fun fun Passed all tests! < **Input Format**

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You are given two strings, **a** and **b**, separated by a new line. Each string will consist of lower case Latin characters ('a'-'z'). **Output Format** In the first line print two space-separated integers, representing the length of a and **b** respectively. In the second line print the string produced by concatenating a and b (a + b). In the third line print two strings separated by a space, a' and b'. a' and b' are the same as \boldsymbol{a} and \boldsymbol{b} , respectively, except that their first characters are **Sample Input Sample Output**

b = "ef" |a| = 4|b| = 2a + b = "abcdef" a' = "ebcd" b' = "af" Answer: (penalty regime: 0 %) #include <stdio.h> #include <string.h> 4 v int main() { char a[101], b[101]; 5 6 scanf("%s", a); scanf("%s", b); 8 9 10 printf("%lu %lu\n", strlen(a), strlen(b)); 11 12 13 14 printf("%s%s\n", a, b); 15 16 char temp = a[0]; 17 18 a[0] = b[0];b[0] = temp;19 20 21 printf("%s %s\n", a, b); 22 23 return 0; 24 25 Input Expected Got

4 2

abcdef

ebcd af

✓

4 2

abcdef

ebcd af

abcd

Passed all tests! <

ef

Finish review