

Print Freq of Alphabet in String

Problem Submissions Lockdown Discussions

Given a string consisting of only small case alphabets. Find the frequency of each alphabet in the string and print the frequency. Then print the frequency of each alphabet in the string if those alphabets occurred in the string.

Sample Input 0

abcbcdcd

Sample Output 0

a-2
b-1
c-3
d-2

int n = ()
str = ()

str = "abcbcdcd"
a-2
b-1
c-3
d-2

a-2
b-1
c-3
d-2

n=8
str="abcbcdcd"

freq[0] = 0
freq[1] = 1
freq[2] = 3
freq[3] = 2
freq[4] = 0
freq[5] = 0
freq[6] = 0
freq[7] = 0
freq[8] = 0
freq[9] = 0
freq[10] = 0
freq[11] = 0
freq[12] = 0
freq[13] = 0
freq[14] = 0
freq[15] = 0
freq[16] = 0
freq[17] = 0
freq[18] = 0
freq[19] = 0
freq[20] = 0
freq[21] = 0
freq[22] = 0
freq[23] = 0
freq[24] = 0
freq[25] = 0

freq = [0, 1, 3, 2, 0]
(a) (b) (c) (d) (e) (f) (g) (h) (i) (j) (k) (l) (m) (n) (o) (p) (q) (r) (s) (t) (u) (v) (w) (x) (y) (z)

i=0 < 8
ch = 'a'
index = ch - 'a'
freq[0] = 0 + 1
freq[0] = 0 + 1 + 1
freq[0] = 0 + 1 + 1

freq[0] = 0 + 1
freq[0] = 0 + 1 + 1
freq[0] = 0 + 1 + 1

i=1, ch='b', index=1
i=2, ch='c', index=2
i=3, ch='d', index=3
i=4, ch='a', index=0
i=5, ch='c', index=2
i=6, ch='d', index=3
i=7, ch='d', index=3

for (int i=0; i<str.length(); i++)

{
ch = str.charAt(i);
freq[i]++;
}
for (int i=0; i<n; i++)
{
if (freq[i] > 0)
{
cout << "a-" << i << " " << freq[i] << endl;
}
}

0(n^2)
0(n^2)
0(n^2)

freq[0] = 0 + 1
freq[0] = 0 + 1 + 1
freq[0] = 0 + 1 + 1

index = ch - 'a'

```
public static void printFrequency(String str){
    int n=str.length();
    int freq[]=new int[26];
    boolean flag[]=new boolean[26];
    for(int i=0;i<n;i++){
        char ch=str.charAt(i);
        int index=ch-'a';
        freq[index]++;
        flag[index]=true;
    }
    for(int i=0;i<n;i++){
        char ch=str.charAt(i);
        int index=ch-'a';
        if(flag[index]==false){
            System.out.println(ch+"-"+freq[index]);
            flag[index]=true;
        }
    }
}
```

i=4, ch='a', index=0
i=5, ch='c', index=2
i=6, ch='d', index=3
i=7, ch='d', index=3

a-2
b-1
c-3
d-2

Maximum Freq Character

Problem

Submissions

Leaderboard

Discussions

Given a string consisting of only small case alphabets. Find the element with the maximum occurrence. The solution should have $O(n)$ time complexity.

str = "abc d a l c d"

free

$$\begin{array}{|c|c|c|c|c|} \hline 2 & 1 & 3 & 2 & 0 \\ \hline \end{array}$$

$$\begin{array}{c} 0 \\ (0) \end{array} \quad \begin{array}{c} 1 \\ (1) \end{array}$$

int maxcount = ~~0~~ 2

char ans = $\binom{n}{r}$

```

for (int i = 0; i < 26; i++)
    if (freq[i] > maxcount)
        maxcount = freq[i];
    // ans = (char) (0 + 'a');
}

```

$\sigma \vdash (a)$
 $(\sigma \vdash a)$
 $(\text{true}) \vdash a$
 a

Int with Maximum Freq

Problem

Submissions

Leaderboard

Discussions

Given an array that contains only one-digit integers from 0-9. Print the digit which occurs in the array the maximum number of times. You must take a constant extra space and also you have to complete the question in the single traversal.

$n = 9$

(0-9)

7	2	1	2	3	4	7	2	3
0	1	2	3	4	5	6	7	8

index = arr[i]

int max count = 0;
int ans = 0;

(10)

0	1	3	2	1	0	8	2	0	0
0	1	2	3	4	5	6	7	8	9

```
for(int i=0; i<10; i++)  
{  
    if (freq[i] > maxcount)  
    {  
        maxcount = freq[i];  
        ans = i;  
    }  
}
```

How?

✔ Digit with highest frequency



Success Rate: 100.00% Max Score: 10 Difficulty: Medium

Try Again

✔ Lucky Number 26



Success Rate: 83.33% Max Score: 10 Difficulty: Medium

Try Again