

Status	Finished
Started	Saturday, 6 December 2025, 1:35 PM
Completed	Saturday, 6 December 2025, 1:53 PM
Duration	18 mins 35 secs

Question **1**

Correct

Given a string, **s**, consisting of alphabets and digits, find the frequency of each digit in the given string.

Input Format

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

Constraints

$$1 \leq \text{len}(\text{num}) \leq 1000$$

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

0 2 1 0 1 1 1 1 0 0

Explanation 0

In the given string:

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

The remaining digits **0, 3, 8** and **9** don't occur at all.

Answer: (penalty regime: 0 %)

```

1  #include<stdio.h>
2  int main(){
3      char str[1000];
4      scanf("%s",str);
5      int hash[10]={0,0,0,0,0,0,0,0,0,0};
6      int temp;
7      for(int i=0;str[i]!='\0';i++){
8          temp=str[i]-'0';
9          if(temp<=9&&temp>=0){
10             hash[temp]++;
11         }
12     }
13     for(int i=0;i<=9;i++){
14         printf("%d ",hash[i]);
15     }
16 }
```



	Input	Expected	Got	
✓	a11472o5t6	0 2 1 0 1 1 1 1 0 0	0 2 1 0 1 1 1 1 0 0	✓
✓	lw4n88j12n1	0 2 1 0 1 0 0 0 2 0	0 2 1 0 1 0 0 0 2 0	✓
✓	1v888861256338ar0ekk	1 1 1 2 0 1 2 0 5 0	1 1 1 2 0 1 2 0 5 0	✓

Passed all tests! ✓

Question **2**

Correct

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

Input Format

The first and only line contains a sentence, s .

Constraints

$$1 \leq \text{len}(s) \leq 1000$$

Output Format

Print each word of the sentence in a new line.

Sample Input 0

This is C

Sample Output 0

This

is

C

Explanation 0

In the given string, there are three words ["This", "is", "C"]. We have to print each of these words in a new line.

Answer: (penalty regime: 0 %)

```
1 | #include<stdio.h>
2 | int main(){
3 |     char s[1000];
4 |     scanf("%[^\n]s",s);
5 |     for(int i=0;s[i]!='\0';i++){
6 |         if(s[i]!=' ')
7 |             printf("%c",s[i]);
8 |         else
9 |             printf("\n");
10 |     }
11 | }
```

	Input	Expected	Got	
✓	This is C	This is C	This is C	✓
✓	Learning C is fun	Learning C is fun	Learning C is fun	✓

Passed all tests! ✓

Question **3**

Correct

Input Format

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 ***a*** and ***b***, respectively, except that their first characters are swapped.

Sample Input

```
abcd
ef
```

Sample Output

```
4 2
abcdef
ebcd af
```

Explanation

`a = "abcd"`

`b = "ef"`

`|a| = 4`

`|b| = 2`

a + b = "abcdef"

a' = "ebcd"

b' = "af"

Answer: (penalty regime: 0 %)

```

1  #include<stdio.h>
2  int main(){
3      char t,str1[10],str2[10];
4      int i=0,j=0;
5      int count1=0,count2=0;
6      scanf("%s",str1);
7      scanf("%s",str2);
8      while(str1[i]!='\0'){
9          count1++;
10         i++;
11     }
12     while(str2[j]!='\0'){
13         count2++;
14         j++;
15     }
16     printf("%d %d\n",count1,count2);
17     printf("%s%s\n",str1,str2);
18     t=str1[0];
19     str1[0]=str2[0];
20     str2[0]=t;
21     printf("%s %s",str1,str2);
22     return 0;
23 }
```

	Input	Expected	Got	
✓	abcd ef	4 2 abcdef ebcd af	4 2 abcdef ebcd af	✓

Passed all tests! ✓