

Status	Finished
Started	Saturday, 22 November 2025, 10:44 AM
Completed	Saturday, 22 November 2025, 11:16 AM
Duration	31 mins 49 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  #include<string.h>
3  int main(){
4      char s[1001];
5      int freq[10] = {0};
6      scanf("%s",s);
7      for(int i=0;i<strlen(s);i++){
8          if(s[i]>='0'&&s[i]<='9'){
9              freq[s[i]-'0']++;
10         }
11     }
12     for(int i=0;i<10;i++){
13         printf("%d ",freq[i]);
14     }
15     return 0;
16 }
17

```

	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[1001];
4      fgets(s,sizeof(s),stdin);
5      for(int i=0;s[i]!='\0'; i++){
6          if(s[i]==' '){
7              printf("\n");
8          }else{
9              printf("%c",s[i]);
10         }
11     }
12     return 0;
13 }
14
```

	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  #include<string.h>
3  int main(){
4      char a[1001],b[1001];
5      scanf("%s",a);
6      scanf("%s",b);
7      printf("%ld %ld\n",strlen(a),strlen(b));
8      printf("%s%s\n",a,b);
9      char temp=a[0];
10     a[0]=b[0];
11     b[0]=temp;
12     printf("%s %s\n",a,b);
13     return 0;
14 }
15

```

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

Passed all tests! ✓