

<b>Status</b>	Finished
<b>Started</b>	Tuesday, 9 December 2025, 10:11 PM
<b>Completed</b>	Tuesday, 9 December 2025, 11:21 PM
<b>Duration</b>	1 hour 10 mins

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  #include<ctype.h>
4  int main()
5  {
6      char s[1001];
7      scanf("%s",s);
8      int freq[10]={0};
9      for(int i=0;i<strlen(s);i++)
10     if(isdigit(s[i]))
11     {
12         freq[s[i]-'0']++;
13     }
14     for(int i=0;i<10;i++)
15     {
16         printf("%d ",freq[i]);
17     }
18     printf("\n");
19     return 0;
20 }
```

	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 | {
4 |     char s[1001];
```

```

5 | fgets(s,sizeof(s),stdin);
6 | for(int i=0;s[i]!='\0';i++)
7 | {
8 |     if(s[i] == ' ')
9 |         printf("\n");
10 |    else
11 |        printf("%c",s[i]);
12 |    }
13 |    return 0;
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 {
5     char a[1001],b[1001];
6     scanf("%s",a);
7     scanf("%s",b);
8     printf("%li %lu\n",strlen(a),strlen(b));
9     printf("%s%s\n",a,b);
10    char temp=a[0];
11    a[0]=b[0];
12    b[0]=temp;
13    printf("%s %s\n",a,b);
14    return 0;
15 }
```

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

Passed all tests! ✓