

1. 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

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

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 %)

The screenshot shows a web browser window displaying a coding attempt review page. The URL is `rajalakshmicolleges.org/moodle/mod/quiz/review.php`. The page title is "Coding: Attempt review | REC-". The browser's address bar shows "Not secure".

The main content area displays the source code for a C++ program. The code is as follows:

```
#include<stdio.h>
int main()
{
    char str[1000];
    scanf("%s",str);
    int hash[10]={0,0,0,0,0,0,0,0,0,0};
    int temp;
    for(int i=0;str[i]!='\0';i++)
    {
        temp=str[i]-'0';
        if(temp<=9&&temp>=0)
        {
            hash[temp]++;
        }
    }
    for(int i=0;i<=9;i++)
    {
        printf("%d ",hash[i]);
    }
}
```

Below the code, there is a table showing the results of the test cases:

Input	Expected	Got	
✓ a14720516	0 2 1 0 1 1 1 1 0 0	0 2 1 0 1 1 1 1 0 0	✓
✓ 3u4n8j12n1	0 2 1 0 1 0 0 0 2 0	0 2 1 0 1 0 0 0 2 0	✓
✓ 1v88861250338ardvsk	1 1 2 0 1 2 0 5 0	1 1 2 0 1 2 0 5 0	✓

Below the table, it says "Passed all tests! ✓".

At the bottom, there is a question description:

Question 2  
Correct  
Marked out of 1.00

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.

2.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:

$$1 \leq T \leq 10$$

$$1 \leq \text{length of string} \leq 10^5$$

SAMPLE INPUT

2

nBBZLaosnm

JHklsnZtTL

SAMPLE OUTPUT

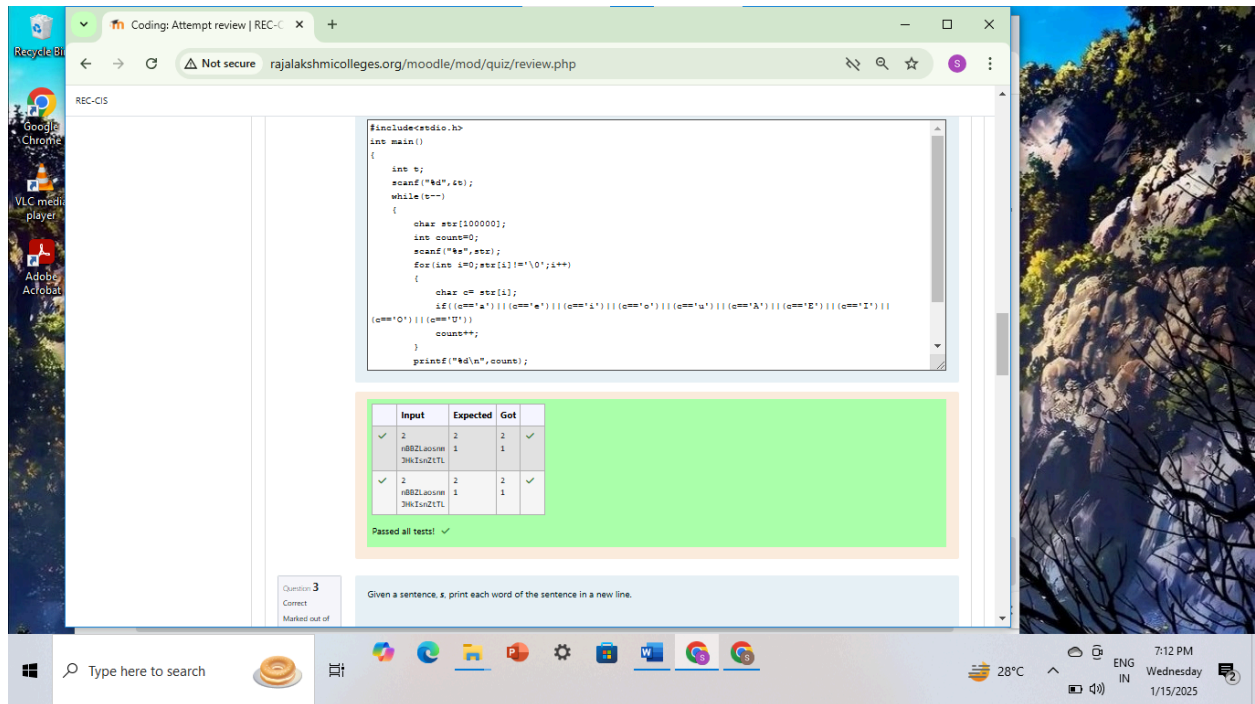
2

1

Explanation

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

**Answer:**(penalty regime: 0 %)



3. 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 %)

The screenshot displays a web browser window with the URL `rajalakshmicolleges.org/moodle/mod/quiz/review.php`. The page title is "Coding: Attempt review | REC-C". The main content area shows a C program snippet:

```
#include <stdio.h>
int main()
{
    char s[1000];
    scanf("%s", s);
    for (int i=0; s[i]!='\0'; i++)
    {
        if (s[i] != ' ')
            printf("%c", s[i]);
        else
            printf("\n");
    }
    return 0;
}
```

Below the code, there is a table with the following data:

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

Below the table, it says "Passed all tests! ✓". At the bottom, there is a section labeled "Input Format" and a status bar indicating "Question 4 Correct". The Windows taskbar at the bottom shows the time as 7:14 PM on Wednesday, 1/15/2025, with a temperature of 28°C.

4.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

$a = \text{"abcd"}$

$b = \text{"ef"}$

$|a| = 4$

$|b| = 2$

$a + b = \text{"abcdef"}$

$a' = \text{"ebcd"}$

b' = "af"

Answer:(penalty regime: 0 %)

The screenshot shows a web browser window with the address bar displaying "Not secure" and the URL "rajalakshmicolleges.org/moodle/mod/quiz/review.php". The page content includes a code editor with the following C code:

```
#include <stdio.h>
int main()
{
    char str1[10], str2[10], w;
    int i=0, j=0;
    int count1=0, count2=0;
    scanf("%s", str1);
    scanf("%s", str2);
    while (str1[i]!='\0')
    {
        count1++;
        i++;
    }
    while (str2[j]!='\0')
    {
        count2++;
        j++;
    }
}
```

Below the code editor, there is a table showing the input, expected output, and got output for the program. The table has four columns: Input, Expected, Got, and a status column. The first row shows the input "abcd ef", the expected output "4 2", and the got output "4 2", with a checkmark in the status column. The second row shows the input "abcdef ebcd af", the expected output "6 2", and the got output "6 2", with a checkmark in the status column. Below the table, it says "Passed all tests!" with a green checkmark.

Input	Expected	Got	
abcd ef	4 2	4 2	✓
abcdef ebcd af	6 2	6 2	✓

Passed all tests! ✓

The browser window also shows a taskbar at the bottom with various application icons and a system tray on the right displaying the temperature (28°C), language (ENG IN), and date (Wednesday 1/15/2025).