```c
#include <stdio.h>
#include <string.h>

int main() {
    char num[1001];  // Input string
    int freq[10] = {0};  // Frequency array for digits 0-9

    // Input the string
    scanf("%s", num);

    // Calculate digit frequencies
    for (int i = 0; i < strlen(num); i++) {
        if (num[i] >= '0' && num[i] <= '9') {
            freq[num[i] - '0']++;
        }
    }

    // Print the frequencies
    for (int i = 0; i < 10; i++) {
        printf("%d ", freq[i]);
    }
    printf("\n");

    return 0;
}
```

	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! ✓

```c
#include <stdio.h>
#include <ctype.h>
#include <string.h>

// Function to check if a character is a vowel
int isVowel(char c) {
    c = tolower(c);  // Convert character to lowercase
    return (c == 'a' || c == 'e' || c == 'i' || c == 'o' || c == 'u');
}

int main() {
    int T;  // Number of test cases
    char str[100005];  // Input string

    // Input the number of test cases
    scanf("%d", &T);

    // Process each test case
    while (T--) {
        int count = 0;

        // Input the string
        scanf("%s", str);

        // Count the vowels in the string
        for (int i = 0; i < strlen(str); i++) {
            if (isVowel(str[i])) {
                count++;
            }
        }

```

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                count++;
            }
        }

        // Output the result for this test case
        printf("%d\n", count);
    }

    return 0;
}
```

	Input	Expected	Got	
✓	2 nBBZLaosnm JHkIsnZtTL	2 1	2 1	✓
✓	2 nBBZLaosnm JHkIsnZtTL	2 1	2 1	✓

Passed all tests! ✓

```c
#include <stdio.h>
#include <string.h>

int main() {
    char s[1001];  // To store the input string

    // Read the input sentence
    fgets(s, 1001, stdin);

    // Iterate through each character in the string
    for (int i = 0; i < strlen(s); i++) {
        if (s[i] == ' ') {
            printf("\n");  // Print a newline when encountering a space
        } else if (s[i] != '\n') {
            printf("%c", s[i]);  // Print the character if it's not a newline
        }
    }

    return 0;
}
```

	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! ✓

```c
#include <stdio.h>
#include <string.h>

void swap_first_char(char *a, char *b) {
    char temp = a[0];
    a[0] = b[0];
    b[0] = temp;
}

int main() {
    char a[101], b[101];

    // Read the input strings a and b
    scanf("%s", a);
    scanf("%s", b);

    // Calculate the lengths of the strings
    int len_a = strlen(a);
    int len_b = strlen(b);

    // Print the lengths of the strings
    printf("%d %d\n", len_a, len_b);

    // Concatenate the strings and print
    printf("%s%s\n", a, b);

    // Swap the first characters and print the modified strings
    swap_first_char(a, b);
    printf("%s %s\n", a, b);

    return 0;
```

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

Passed all tests! ✓