

Practice Problem Set 7

1. Write a C program to find the length of a string.

Examples

Input	Output
Hello World	11

2. Write a C program to toggle case of each character in a string.

Examples

Input	Output
Hello wORLD	hELLO wOrLd

3. Write a C program that prints the factorials of numbers: 1 - n.

Examples

Input	Output
6	Factorial of 1 =1 Factorial of 2 = 2 Factorial of 3 = 6 Factorial of 4 = 24 Factorial of 5 = 120 Factorial of 6 = 720

4. Write a C program to count total number of alphabets, digits and special characters in a string.

Examples

Input	Output
Hello 123 &/_ How are *** 45	Alphabets: 11 Digits: 5 Special Characters: 12

5. Write a C program to count total number of vowels and consonants in a string.

Examples

Input	Output
Do it Just Do it	Vowel: 5 Consonant: 7

6. Write a C program to count the frequency of all characters in a string.

Examples

Input	Output
Hello World	H = 1, e = 1, l = 3, l = 3, o = 2, ' ' = 1, W = 1, o = 2, r = 1, l = 3, d=1

7. Write a C program to check if a string is palindrome or not.

Examples

Input	Output
abba	Palindrome
hello	Not a palindrome

8. Write a C program to find the prefixes of a string

Examples

Input	Output
helloworld	h he

	hel hell hello hellow hellowo hellowor helloworld helloworld
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9. Write a C program to find the suffixes of a string

Examples

Input	Output
helloworld	helloworld helloworld hellowor hellowo hellow hello hell hel he h