String Programming Exercises:

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

Input

Input string: I love programming. I love Codeforwin.

Output

Length of string: 38

2. Write a program to copy one string to another string.

Input

Input string: I love Codeforwin!

Output

Original string: I love Codeforwin!

Copied string: I love Codeforwin!

3. Write a C program to concatenate two strings.

Input

Input string1: I love

Input string2: Codeforwin

Output

Concatenated string: I love Codeforwin

4. Write a C program to compare two strings.

Input

Input string1: Learn at Codeforwin.

Input string2: Learn at Codeforwin.

Output

Both strings are lexographically equal.

5. Write a C program to convert lowercase string to uppercase.

Input

Input string: I love Codeforwin.

Output

I LOVE CODEFORWIN.

6. Write a C program to convert uppercase string to lowercase.

Input

Input string: I love CODEFORWIN.

Output

Lowercase string: i love codeforwin.

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

Input

Input string: Learn at Codeforwin.

Output

Toggled case string: lEARN AT cODEFORWIN.

8. Write a C program to find total number of alphabets, digits or special character in a string.

Input

Input string: I love Codeforwin.

Output

Alphabets = 15

Digits = 0

Special characters = 3

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

Input

Input string: I love Codeforwin.

Output

Total Vowels = 7

Total Consonants = 8

10. Write a C program to count total number of words in a string.

Input

Input string: I love Codeforwin.

Output

Total number of words: 4

11. Write a C program to find reverse of a string.

Input

Input String: Hello

Output

olleH

12. Write a C program to check whether a string is palindrome or not.

Input

Input string: madam

Output

Palindrome string

13. Write a C program to reverse order of words in a given string.

Input

Input string : I love learning programming at Codeforwin

Output

Reversed order of words:

Codeforwin at programming learning love I

14. Write a C program to find first occurrence of a character in a given string.

Input

Input string: I love Codeforwin.

Input character to search: o

Output

'o' is found at index 3

15. Write a C program to find last occurrence of a character in a given string.

Input

Input string: I love Codeforwin.

Input character to search: o

Output

Last index of 'o' is 12.

16. Write a C program to search all occurrences of a character in given string.

Input

Input string: I love programming. I love Codeforwin.

Input character to search: o

Output

'o' found at index: 3, 9, 23, 28, 32

17. Write a C program to count occurrences of a character in given string.

Input

Input string: I love programming. I love Codeforwin.

Input character to search: o

Output

Total occurrences of 'o': 5

18. Write a C program to find highest frequency character in a string.

Input

Input string: I love Codeforwin.

Output

Maximum occurring character: 'o'

19. Write a C program to find lowest frequency character in a string.

Input

Input string: I love learning programming at Codeforwin.

Output

Minimum occurring character is '.' = 1

20. Write a C program to count frequency of each character in a string.

Input

Input string: Codeforwin

Output

Frequency of all characters in the given string:

'c' = 1

'd' = 1

'e' = 1

'f' = 1

'i' = 1

'n' = 1

'o' = 2

'r' = 1

'w' = 1

21. Write a C program to remove first occurrence of a character from string.

Input

Input string: I Love programming. I Love Codeforwin. I Love India.

Input character to remove: 'I'

Output

Love Programming. I Love Codeforwin. I Love India.

22. Write a C program to remove last occurrence of a character from string.

Input

Input string : I love programming. I love Codeforwin.

Input character to remove : 'I'

Output

String after removing last 'I' : I love programming. love Codeforwin.

23. Write a C program to remove all occurrences of a character from string.

Input

Input string : I Love Programming. I Love Codeforwin.

Input character to remove : 'I'

Output

String after removing all 'I' : Love Programming. Love Codeforwin.

24. Write a C program to remove all repeated characters from a given string.

Input

Input string: Programming in C.

Output

String after removing duplicate characters: Progamin C.

25. Write a C program to replace first occurrence of a character with another in a string.

Input

Input string: I love programming.

Input character to replace: .

Input character to replace with: !

Output

String after replacing '.' with '!': I love programming!

26. Write a C program to replace last occurrence of a character with another in a string.

Input

Input string: Do you love programming.

Input character to replace: .

Input character to replace with: ?

Output

String after replacing last '.' with '?' : Do you love programming?

27. Write a C program to replace all occurrences of a character with another in a string.

Input

Input string: I_love_learning_at_Codeforwin.

Input character to replace: _

Input character to replace with: -

Output

String after replacing '_' with '-': I-love-learning-at-Codeforwin

28. Write a C program to find first occurrence of a word in a given string.

Input

Input string: I love programming!

Input word to search: love

Output

'love' is found at index 2.

29. Write a C program to find last occurrence of a word in a given string.

Input

Input string: I love programming. I love Codeforwin.

Input word: love

Output

'love' is found at index: 22

30.Write a C program to search all occurrences of a word in given string.

Input

Input string: I love programming. I love Codeforwin.

Input word to search: love

Output

'love' is found at index: 2

'love' is found at index: 22

31.Write a C program to count occurrences of a word in a given string.

Input

Input string: I love programming. I love Codeforwin.

Input word to search: love

Output

Total occurrences of 'love': 2

32.Write a C program to remove first occurrence of a word from string.

Input

Input string : Learn programming at Codeforwin.

Input word to remove : Learn

Output

String after removing 'Learn':

programming at Codeforwin.

33.Write a C program to remove last occurrence of a word in given string.

Input

Input string: I am a programmer. I learn at Codeforwin.

Input word to remove: I

Output

String after removing last occurrence of 'I':

I am a programmer. learn at Codeforwin

34.Write a C program to remove all occurrence of a word in given string.

Input

Input string: I love programming. I love Codeforwin.

Input word to remove: I

Output

String after removing 'I':

 love programming. love Codeforwin.

35.Write a C program to trim leading white space characters from given string.

Input

Input string: Lots of leading space.

Output

String after removing leading white spaces:

Lots of leading space.

36.Write a C program to trim trailing white space characters from given string.

Input

Input string: "Lots of trailing white spaces.   "

Output

String after removing trailing white spaces:

"Lots of trailing white spaces."

37.Write a C program to trim both leading and trailing white space characters from given string.

Input

Input string: "   Lots of leading and trailing spaces.   "

Output

String after removing leading and trailing white spaces:

"Lots of leading and trailing spaces."

38.Write a C program to remove all extra blank spaces from given string.

Input

Input string: Learn   C   programming at Codeforwin.

Output

String after removing extra blanks:

Learn C programming at Codeforwin.