

1. Write a program in C to input a string and print it.

Test Data :

Input the string : Welcome, w3resource

Expected Output :

The string you entered is : Welcome, w3resource

2. Write a program in C to find the length of a string without using library function.

Test Data :

Input the string : w3resource.com

Expected Output :

Length of the string is : 15

3. Write a program in C to separate the individual characters from a string.

Test Data :

Input the string : w3resource.com

Expected Output :

The characters of the string are :

w 3 r e s o u r c e . c o m

4. Write a program in C to print individual characters of string in reverse order.

Test Data :

Input the string : w3resource.com

Expected Output :

The characters of the string in reverse are :

m o c . e c r u o s e r 3 w

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

Test Data :

Input the string : This is w3resource.com

Expected Output :

Total number of words in the string is : 3

6. Write a program in C to compare two string without using string library functions.

Test Data :

Input the 1st string : This is first string

Input the 2nd string : This is first string

Expected Output :

The length of both strings are equal and also both strings are equal.

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

Test Data :

Input the string : Welcome to w3resource.com

Expected Output :

Number of Alphabets in the string is : 21

Number of Digits in the string is : 1

Number of Special characters in the string is : 4

8. Write a program in C to copy one string to another string.

Test Data :

Input the string : This is a string to be copied.

Expected Output :

The First string is : This is a string to be copied.

The Second string is : This is a string to be copied.

Number of characters copied : 31

9. Write a program in C to count total number of vowel or consonant in a string.

Test Data :

Input the string : Welcome to w3resource.com

Expected Output :

The total number of vowel in the string is : 9

The total number of consonant in the string is : 12

10. Write a program in C to find maximum occurring character in a string.

Test Data :

Input the string : Welcome to w3resource.com.

Expected Output :

The Highest frequency of character 'e' appears number of times : 4

11. Write a C program to sort a string array in ascending order._

Test Data :

Input the string : w3resource

Expected Output :

After sorting the string appears like :

3ceeorrsuw

12. Write a program in C to read a string through keyboard and sort it using bubble sort.

Test Data :

Input number of strings :3

Input string 3 :

zero

one

two

Expected Output :

The strings appears after sorting :

one

two

zero

13.Write a program in C to extract a substring from a given string.

Test Data :

Input the string : this is test string

Input the position to start extraction :9

Input the length of substring :4

Expected Output :

The substring retrieve from the string is : " test "

14.Write a C program to check whether a given substring is present in the given string.

Test Data :

Input the string : This is a test string.

Input the substring to be search : search

Expected Output :

The substring is not exists in the string.

15.Write a program in C to read a sentence and replace lowercase characters by uppercase and vice-versa.

Test Data :

Input the string : This Is A Test String.

Expected Output :

The given sentence is : This Is A Test String.

After Case changed the string is: tHIS iS a tEST sTRING.

16. Write a program in C to find the number of times a given word 'the' appears in the given string.

Test Data :

Input the string : The string where the word the present more than once.

Expected Output :

The frequency of the word 'the' is : 3

17. Write a program in C to remove characters in String Except Alphabets.

Test Data :

Input the string : w3resource.com

Expected Output :

After removing the Output String : wresourcecom

18. Write a program in C to Find the Frequency of Characters.

Test Data :

Input the string : This is a test string

Input the character to find frequency: i

Expected Output :

The frequency of 'i' is : 3

19. Write a program in C to Concatenate Two Strings Manually.

Test Data :

Input the first string : this is string one

Input the second string : this is string two

Expected Output :

After concatenation the string is :

this is string one this is string two

20. Write a program in C to find the largest and smallest word in a string.

Test Data :

Input the string : It is a string with smallest and largest word.

Expected Output :

The largest word is 'smallest'
and the smallest word is 'a'
in the string : 'It is a string with smallest and largest word.'.

21. Write a program in C to convert a string to uppercase.

Test Data :

Input a string in lowercase : the quick brown fox jumps over the lazy dog

Expected Output :

Here is the above string in UPPERCASE :

THE QUICK BROWN FOX JUMPS OVER THE LAZY DOG.

22. Write a program in C to convert a string to lowercase.

Test Data :

Input a string in UPPERCASE : THE QUICK BROWN FOX JUMPS OVER THE LAZY DOG.

Expected Output :

Here is the above string in lowercase :
the quick brown fox jumps over the lazy dog.

23. Write a program in C to check whether a character is Hexidecimal Digit or not.

Test Data :

Input a character : 7

Expected Output :

The entered character is a hexadecimal digit.

24. Write a program in C to check whether a letter is uppercase or not.

Test Data :

Input a character : p

Expected Output :

The entered letter is not an UPPERCASE letter.

25. Write a program in C to replace the spaces of a string with a specific character.

Test Data :

Input a string : Be glad to see the back of Input replace character : *

Expected Output :

After replacing the space with * the new string is :

Be*glad*to*see*the*back*of*

26. Write a program in C to count the number of punctuation characters exists in a string.

Test Data :

Input a string : The quick brown fox, jumps over the, lazy dog.

Expected Output :

The punctuation characters exists in the string is : 3

27. Write a program in C to print only the string before new line character.

Note: isprint() will only print line one, because the newline character is not printable.

Expected Output :

The quick brown fox

28. Write a program in C to check whether a letter is lowercase or not.

Test Data :

Input a character : w

Expected Output :

The entered letter is a lowercase letter.

29. Write a program in C to read a file and remove the spaces between two words of its content.

Expected Output :

The content of the file is :

The quick brown fox jumps over the lazy dog

After removing the spaces the content is :

Thequickbrownfoxjumpsoverthelazydog

30. Write a program in C to check whether a character is digit or not.

Test Data :

Input a character : 8

Expected Output :

The entered character is a digit.

31. Write a program in C to split string by space into words.

Test Data :

Input a string : this is a test string

Expected Output :

Strings or words after split by space are :

this

is
a
test
string .

