|  |  |
| --- | --- |
| **Sl. No** | **Program\_list** |
|  | Area of a circle |
|  | [Area Of Rectangle](https://javatutoring.com/c-program-area-of-rectangle/)...related program |
|  | To find the root of quadratic equation. |
|  | Write a program that read ASCII value and display equivalent character. |
|  | Write a program that read any lower case latter and display in upper case. |
|  | **String** |
|  | [Write a C program to find length of a string](https://codeforwin.org/2015/04/c-program-to-calculate-length-of-string.html). |
|  | [Write a C program to copy one string to another string](https://codeforwin.org/2015/11/c-program-to-copy-one-string-to-another.html). |
|  | [Write a C program to concatenate two strings](https://codeforwin.org/2015/11/c-program-to-concatenate-two-strings.html). |
|  | [Write a C program to compare two strings](https://codeforwin.org/2015/11/c-program-to-compare-two-strings.html). |
|  | [Write a C program to convert lowercase string to uppercase](https://codeforwin.org/2015/04/c-program-convert-lower-case-string-to-upper.html). |
|  | [Write a C program to convert uppercase string to lowercase](https://codeforwin.org/2015/04/c-program-convert-upper-case-string-to-lower.html). |
|  | [Write a C program to find total number of alphabets, digits or special character in a string](https://codeforwin.org/2015/11/c-program-to-find-total-number-of-alphabets-digits-special-characters-in-string.html). |
|  | [Write a C program to reverse order of words in a given string](https://codeforwin.org/2016/10/c-program-to-reverse-order-of-words-in-string.html). |
|  | [Write a C program to count total number of vowels and consonants in a string](https://codeforwin.org/2015/04/c-program-to-calculate-total-number-of-vowels-and-consonants.html). |
|  | [Write a C program to count total number of words in a string](https://codeforwin.org/2015/04/c-program-to-calculate-total-number-of-words.html) |
|  | [Write a C program to find reverse of a string](https://codeforwin.org/2015/04/c-program-to-print-reverse-of-string.html). |
|  | [Write a C program to check whether a string is palindrome or not](https://codeforwin.org/2015/04/c-program-to-check-palindrome.html). |
|  | [Write a C program to find highest frequency character in a string](https://codeforwin.org/2016/04/c-program-to-find-maximum-occurring-character-in-string.html). |
|  | [Write a C program that read any binary number and display equivalent decimal number](https://codeforwin.org/2016/04/c-program-to-find-maximum-occurring-character-in-string.html). |
|  | [Write a C program that read any octal number and display equivalent decimal number](https://codeforwin.org/2016/04/c-program-to-find-maximum-occurring-character-in-string.html). |
|  | [Write a C program that read any hexadecimal number and display equivalent decimal number](https://codeforwin.org/2016/04/c-program-to-find-maximum-occurring-character-in-string.html). |
|  | 1+2+3+4+..................upto n’th term. |
|  | 1^2+2^2+3^2+4^2+........N^2 |
|  | 2+4+6+8+............... upto n’th term |
|  | 1+3+5+7+................upto n’th term |
|  | 1+ 1/2 + 1/3 + 1/4 + 1/5 + ............ 1/N |
|  | 1 + 3^2/3^3 + 5^2/5^3 + 7^2/7^3 + ... till N terms (use pow() function) |
|  | 1.1^2+2.3^2+3.5^2+.............upto n’th term |
|  | 1  1 2  1 2 3 |
|  | 1  2 2  3 3 3 |
|  | A  A B  A B C |
|  | A  B B  C C C |
|  | A  B B  C C C  B B  A |
|  | 1  2 2  3 3 3  2 2  1 |
|  | \*  \*\*\*  \*\*\*\*\*  \*\*\*\*\*\*\* |
|  | \*\*\*\*\*  \*\*\*\*  \*\*\*  \*\*  \*  \* |
|  | \*  \* \* \*  \* \* \* \* \*  \* \* \* \* \* \* \*  \* \* \* \* \* \* \* \* \* |
|  | 1  1 1  1 2 1  1 3 3 1  1 4 6 4 1  1 5 10 10 5 1 |
|  | 1  2 2  3 3 3  2 2  1 |
|  | 1 2 3 4 5  1 2 3 4  1 2 3  1 2  1 |
|  | Write a program that read and display an array |
|  | Find max & min array elements |
|  | [Write a C program to find second largest element in an array](https://codeforwin.org/2015/11/c-program-to-find-second-largest-number-in-array.html). |
|  | [Write a C program to count total number of even and odd elements in an array](https://codeforwin.org/2016/09/c-program-to-count-even-odd-elements-in-array.html). |
|  | [Write a C program to insert an element in an array](https://codeforwin.org/2015/07/c-program-to-insert-element-in-array.html). |
|  | [Write a C program to delete an element from an array at specified position](https://codeforwin.org/2015/07/c-program-to-delete-element-from-array.html). |
|  | Sorting an array elements using bubble sort algorithm |
|  | Write a program that read and display an array |
|  | Write a program that adds two matrix |
|  | Write a program that multiply two matrix |
|  | **Function** |
|  | Write a program in C to find the square of any number using the function. |
|  | Write a program in C to swap two numbers using function. |
|  | Write a program in C to check a given number is even or odd using the function. |
|  | Calculate the radius of a circle using function. |
|  | Write a function that gets two integers and return sum/division/max\_value/min\_value. |
|  | Write a function that sorts an array.(ascending/descending). |
|  | Write a program in C to check whether a number is a prime number or not using the function |
|  | Write a program in C to convert decimal number to binary number using the function. |
|  | Write a program in C to get the largest element of an array using the function. |
|  |  |
|  | **Recursive Function** |
|  | Find Factorial value. |
|  | Find Fibonacci number |
|  | Find a number is prime or not. |
|  | Write a program in C to reverse a string using recursion. |
|  | Write a program that read and display any number of students name roll and mark using **Structure.** |
|  | Write a program in C to create and store information in a text file.  *Expected Output* :  The file test.txt created successfully...!! |
|  | Write a program in C to read an existing file.  Test Data :  Input the file name to be opened : test.txt  Expected Output :  The content of the file test.txt is :  This is the content of the file test.txt. |
|  | Write a program that read an array and write a file with ascending order. |
|  | Write the following pyramid in a file  1  22  333  4444...... |
|  | Write a program that count number of lower\_case, upper\_case, digit, space, line and other character in a file. |
|  | Write a program that read an array until EOF. |
|  | write a program that read n numbers from a file and display in output screen |
|  | **Pointer** |
|  | Write a program in C to show the basic declaration of pointer |
|  | Write a program in C to demonstrate the use of &(address of) and \*(value at address) operator. |
|  | Write a program in C to add two numbers using pointers. |
|  | Write a program in C to find the maximum number between two numbers using a pointer. |
|  | Write a program in C to store n elements in an array and print the elements using pointer. |
|  | Write a program in C to Calculate the length of the string using a pointer. |
|  | Write a program in C to count the number of vowels and consonants in a string using a pointer. |
|  | Write a program in C to sort an array using Pointer. |
|  | Write a program in C to compute the sum of all elements in an array using pointers. |
|  | Write a program in C to print the elements of an array in reverse order. |
|  | Write a program in C to print all the alphabets using a pointer. |
|  | Write a program in C to print a string in reverse using a pointer. |
|  | [Program to read array elements and print with addresses.](https://www.includehelp.com/c-programs/c-pointer-program-to-read-array-and-print-with-addresses.aspx) |
|  | [Program to swap two numbers using pointers.](https://www.includehelp.com/c-programs/c-pointer-program-to-swap-two-numbers-using-pointers.aspx) |
|  | Write a program in C to find the largest element using Dynamic Memory Allocation. |