

Basic C-Programs with solutions

(Best place to learn & practice "C" programming)

Link: - <http://www.codingalpha.com/c-programs-tutorials/>

Hello World in Different Programming Languages
C Program To Print First N Terms of Lucas Sequence
C Program To Find Union and Intersection of Two Sets
C Program To Print Tribonacci Series
C Program To Check Positive and Negative Numbers
C Program To Print Multiplication Table From 1 To N
C Program To Print Prime Numbers from 1 To N
C Program To Find Magic Number
C Program To Find Quotient of a Number
C Program For Menu Driven Program using Switch Case, Functions, If Else Loop
C Program To Find Average of N Numbers
C Program To Add Two Complex Numbers
C Program To Calculate Simple Interest
C Program to Find Factorial of Large Numbers in C Programming
C Program To Print Hello World
C Program To Find Largest Among Three Numbers
C Program To Find Perimeter of Rectangle
C Program To Print Fibonacci Series
C Program To Add Two Numbers
C Program To Find GCD of Two Numbers
C Program To Find Remainder of a Number
C Program To Swap Two Numbers using Call By Reference
C Program To Find Value of nCr
C Program To Multiply Two Numbers without Multiplication Operator

C Program To Convert Fahrenheit to Celsius

C Program To Add Two Numbers without Addition Operator

C Program To Subtract Two Numbers without Subtraction Operator

C Program To Find Value of nPr

C Program To Generate Random Numbers

C Program To Check Character is Alphabet or Digit

C Program To Print Strong Numbers From 1 To N

C Program To Divide Two Numbers without Division Operator

C Program To Check Perfect Number

C Program To Check Strong Numbers

C Program To Check Palindrome Number

C Program To Convert Uppercase and Lowercase Characters

C Program To Calculate Compound Interest

C Program For Age Calculator

C Program To Find LCM of N Numbers

C Program To Check if Character is Uppercase or Lowercase

C Program To Check Validity of Triangle

C Program To Raise Number to Power

C Program To Find LCM of Two Numbers

C Program To Subtract Two Numbers using Pointers

C Program To Convert Numbers to Words

C Program To Find Narcissistic Number

C Program For Simple Calculator Application

C Program To Check Even and Odd Number

C Program To Calculate Sum of Digits of a Number

C Program To Count Trailing Zeros in an Integer

C Program To Find Factorial of Number

C Program To Convert ASCII Values

C Program To Add Two Numbers using Function

C Program To Check Special Number

C Program To Swap Two Numbers using Call By Value

C Program To Reverse a Number

C Program To Find Roots of Quadratic Equation

C Program To Check Leap Year

C Program To Find Armstrong Number

C Program To Swap Two Numbers using Pointers

C Program For Tower of Hanoi Problem without Recursion

C Program To Count Digits of Number

C Program For Arithmetic Progression

C Program To Calculate Sum of Even Numbers

C Program For Linear Search Algorithm

C Program To Check Prime Number

C Program To Convert Celsius To Fahrenheit

C Program To Swap Two Numbers without using Temporary Variable

C Program To Find Largest Digit of a Number

C Program To Calculate Distance Between Two Points

C Program To Add Two Numbers using Pointers

C Program To Check Perfect Square Number

C Program To Evaluate A Polynomial

C Program To Calculate Sum of Odd Numbers

C Program To Calculate Compound Interest

C Program To Swap Two Numbers using Temporary Variable

C Program To Find Smallest Digit of a Number

C Program To Count Trailing Zeros in Factorial of Number

RECURSION PROGRAMS

[C Program For Tower of Hanoi Algorithm](#)

[C Program For Binary Search using Recursion](#)

[C Program To Raise Number To Power using Recursion](#)

[C Program To Find Factorial using Recursion](#)

[C Program To Print Fibonacci Series using Recursion](#)

[C Program To Find Sum of Digits of Number using Recursion](#)

STRING PROGRAMS

[C Program To Sort Names in Alphabetical Order](#)

[C Program For Naive Pattern Matching Algorithm](#)

[C Program To Print Longest Common Subsequence Problem Algorithm](#)

[C Program To Encrypt and Decrypt String Passwords](#)

[C Program To Find Permutations of a String](#)

[C Program To Count Vowels in a String](#)

[C Program To Compare Two Strings](#)

[C Program To Print Vowels in a String](#)

[C Program To Convert String Characters From Uppercase To Lowercase and Vice – Versa](#)

[C Program To Sort Names in Descending Order](#)

[C Program To Reverse a String](#)

[C Program To Replace A Character in String](#)

[C Program To Convert String into Lowercase Characters](#)

[C Program To Concatenate Two Strings](#)

[C Program To Remove Vowels from String](#)

[C Program To Convert String into Uppercase Characters](#)

[C Program To Find Length of String](#)

ARRAY AND MATRIX PROGRAMS

C Program To Find Trace and Normal of Matrix

C Program To Print Latin Square

C Program To Check whether a Matrix is Sparse Matrix or Not

C Program To Implement Chain Matrix Multiplication Algorithm

C Program To Check Skew Symmetric Matrix

C Program To Find Symmetric Matrix

C Program To Sort Array in Ascending Order

C Program To Find Sum of Rows and Columns of Matrix

C Program To Find Smallest Element in Array

C Program To Add Two Matrices

C Program To Find Transpose of Matrix

C Program For Matrix Chain Mutliplication

C Program To Reverse Array Elements

C Program To Find Sum of Lower Triangle Elements

C Program To Sort Array in Descending Order

C Program To Count Occurrence of Array Element

C Program To Find Largest Element in Array

C Program To Calculate Sum of Array Elements

C Program To Multiply Two Matrices

C Program To Print Magic Square Matrix

C Program For Binary Search Algorithm using Function

C Program To Find Sum of Major and Minor Diagonal Elements

PATTERN C PROGRAMS

C Program To Print Floyd Triangle

C Program To Print Pascal Triangle

GRAPHICS C PROGRAMS

[Midpoint Circle Drawing Algorithm C Program](#)

[Gupta Sproull Algorithm C Program](#)

[Bresenham Line Drawing Algorithm C Program](#)

[DDA Line Drawing Algorithm C Program](#)

NUMERICAL METHODS C PROGRAMS

[Newton-Raphson Method C Program](#)

[Weddle's Rule Algorithm C Program](#)

[Euler's Method C Program](#)

[Secant Method C Program](#)

[Bisection Method C Program](#)

[Gauss Seidel Method C Program](#)

[Simpson's 3/8th Rule C Program](#)

[Picard's Method C Program](#)

[Regula Falsi Method C Program](#)

[Bisection Method Algorithm and Flowchart](#)

[Simpson's 1/3rd Rule C Program](#)

[Trapezoidal Rule C Program](#)

NUMBER SYSTEM CONVERSION PROGRAMS

[C Program For Hexadecimal To Binary Conversion](#)

[C Program To Convert Hexadecimal To Decimal Number](#)

[C Program To Convert Decimal To Octal Number](#)

[C Program To Convert Octal To Decimal Number](#)

[C Program To Convert Decimal To Hexadecimal Number](#)

[C Program To Convert Decimal To Binary Value](#)

[C Program To Convert Binary To Decimal](#)

[C Program To Convert Decimal into Binary, Hexadecimal and Octal Values](#)

FILE HANDLING PROGRAMS

[C Program To Read Contents of Text File](#)

[C Program To Implement Caesar Cipher Algorithm](#)

[C Program To Count Number of Spaces, Tabs and Newlines](#)

[C Program To Encrypt and Decrypt Text Files](#)

MISCELLANEOUS C PROGRAMS

[C Program To Display Day of a Date](#)

[C Program To List Files and Sub Directories in a Directory](#)

[C Program To Find First and Follow of Grammar](#)

[C Program For Recursive Descent Parsing](#)

[C Program To Print Map of India](#)

[Lexical Analyzer in C Programming](#)

[C Program For System Shutdown Program For Linux Ubuntu](#)

[C Program To Print Hello World without Semicolon](#)

[C Program To Display Current Date and Time](#)

[C Program To Find IP Address in Linux and Windows](#)

[C Program To Print Christmas Tree](#)

[Numerical Methods C Programs](#)

[C Program To Display Digital Clock](#)

[C Program To Display Source Code](#)

[C Program To Find Execution Time of a Program](#)

[Lvalue Required Error in C Programming](#)

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