



## 250+ C programming examples, exercises and solutions for beginners

December 3, 2021 by Rohit Mhatre

### C programming examples exercises and solutions for beginners: C

Language was originally developed by an American computer scientist Dennis Ritchie between the year 1969 to 1973 in Bell Labs, also utilized to re-implement the Unix OS. C Language has now become one of the most frequently used programming languages of all time

Here are Top C Basic programming exercises with detailed solutions and output for improving your coding skills. All the following C Language programs on this

webpage are tested and should work on all C Programming Compiler.

All the following **C Language programs** on this webpage are tested and should work on all C Programming Compiler.

## List of C Programs →

### C Language Basic programs with examples

- ✓ 1. C Program to Print "Hello, World!"
- ✓ 2. C Program to Add Two Integers.
- ✓ 3. C Program to Swap Values of Two Variables.
- ✓ 4. C Program to Multiply two Floating Point Numbers
5. C Program to perform all arithmetic operations
6. C Program to convert feet to meter
7. C Program to convert celcius to fahrenheit
8. C Program to convert fahrenheit to celcius
- ✓ 9. C Program to find the Size of data types
- ✓ 10. C Program to Print ASCII Value
- ✓ 11. C Program to Calculate Area of Circle
12. C Program to Calculate Area of Square
13. C Program to Calculate Area of Rectangle
- ✓ 14. C Program to convert days to years, weeks and days

### List of C language string programs

1. C program to concatenate two strings
2. C program to find string length
3. C program to convert a string to lower case
4. C program to convert a string to upper case
5. C program to change string to upper case withoutstrupr
6. C program to Change string to lower case withoutstrlwr
7. C program to reverse a string enter by user
8. C Program to count number of alphabets, digits and special characters in string
9. C program to compare two strings using strcmp
10. C Program to Count number of Lowercase and Uppercase Letters

## List of all conditional programs in c language

- ✓ 1. C Program to check whether an integer entered by the user is odd or even
- ✓ 2. C Program to find the largest number among three number.
- ✓ 3. C Program to Find the Largest Number using Conditional Operator.
- ✓ 4. C Program to find the Largest among Three Variables using Nested if.
5. C program to check leap year using conditional Operator.
- ✓ 6. C program to check alphabets using conditional operator.
- ✓ 7. C program to check number is positive, negative or zero.
- ✓ 8. C program to check uppercase or lowercase alphabets.
- ✓ 9. C program to check entered character vowel or consonant.
10. C program to check whether a character is alphabet, digit or special character.
11. C program to print day name of week.
- ✓ 12. C program to accept two integers and check whether they are equal or not.
13. C program to determine a candidate's age is eligible for casting the vote or not.
14. C program to find the eligibility of admission for an engineering course based on the criteria.
15. C program to calculate the total marks, percentage and division of student.
16. C program to enter month number and print number of days in month.
17. C program to count total number of notes in entered amount.
18. C program to check whether a triangle can be formed by the given value for the angles.

## List of C Language Loop Programs with Examples

- ✓ 1. Write C program to print alphabets from a to z
- ✓ 2. Write C program to print ASCII values of all characters
- ✓ 3. Write C program to print multiplication table of a given number
- ✓ 4. Write a C program to print all natural numbers in reverse order
- ✓ 5. Write a C program to print sum of digits enter by user
- ✓ 6. Write C program to find sum of even numbers between 1 to n
- ✓ 7. Write C program to find sum of odd numbers between 1 to n
8. Write C program to swap first and last digit of a number

9. Write C program to find the sum of first and last digit of any number
10. Write C program to find first and last digit of any number
- ✓ 11. Write C program to calculate product of digits of a number
- ✓ 12. Write C program to reverse a number using while & for loop
- ✓ 13. Write C program to calculate power using while & for loop
- ✓ 14. Write C program to find factorial of any number
- ✓ 15. Write a C program to check whether a number is Armstrong number or not
16. Write C program to find Armstrong numbers between 1 to n
17. Write a C program to calculate compound Interest
18. Write a C program to check a enter number is Prime number or not using while & for loop
19. Write a C program to check whether a number is palindrome or not
20. Write C program to print number in words
21. Write C program to find HCF of two numbers
22. Write C program to find LCM of two numbers

### List of Switch case programs with an examples

1. Write C program to print number of days in a month using switch case
2. Write C program to print day of week name using switch case
3. Write C program to create calculator using switch Statement
4. Write C program to check even or odd number using switch case
5. Write C program to check vowel or consonant using switch case
6. Write C program to print gender (Male/Female) program according to given M/F.
7. Write C Program to find maximum number using switch case.

### List of c language function and recursion programming exercises

1. Write C program to check even or odd using functions
2. Write C to check prime and armstrong numbers using function
3. Write C program to find cube of a number using function
4. Write C Program to convert binary number to decimal
5. Write C Program to convert decimal number to binary using function
6. Write C program to find Length of the String by passing String/Character

7. Write C program to print all strong numbers between 2 numbers
8. Write C program to find prime numbers in given range using functions
9. Write C program to find diameter, circumference and area of circle using function
10. Write C program to print perfect numbers between given interval using function
- ✓ 11. Write C program to find power of a number using recursion
- ✓ 12. Write C program to find sum of natural numbers in given range using recursion
13. Write C program to print even or odd numbers in given range using recursion
- ✓ 14. Write C program to find reverse of a number using recursion
- ✓ 15. Write C program to find LCM of two numbers using recursion
- ✓ 16. Write C program to find HCF of two numbers using recursion
- ✓ 17. Write C program to print elements of array using recursion
- ✓ 18. Write C program to find sum of array elements using recursion
19. Write C program to generate nth fibonacci term using recursion
20. Write C program to find factorial of a number using recursion
21. Write C program to check palindrome number using recursion
22. Write C program to find maximum and minimum elements in array using recursion

## List of C language Pointer Exercise

- ✓ 1. Write C program to swap two numbers using pointers
- ✓ 2. Write C program to add two numbers using pointers
3. Write C program input and print array elements using pointer
4. Write C program to change the value of constant integer using pointers
- ✓ 5. Write C program to find length of string using pointer
6. Write C program to copy one string to another string using pointer
7. Write C program to concatenate two strings using pointer
8. Write C program to read array elements and print the value with the addresses

## List of C language array programs with an examples

- ✓ 1. Write a C program to print all negative elements in an array
- ✓ 2. Write C program to count total number of negative elements in array
- ✓ 3. Write a C program to read and print elements of array
- ✓ 4. Write C program to find sum of all elements of an array
- ✓ 5. Write C program to count even and odd elements in an array
- ✓ 6. Write C program to find maximum and minimum element in array
7. Write C program to insert an element in array
- ✓ 8. Write C program to print all unique element in an array
- ✓ 9. Write C program to sort an array in ascending order
10. Write C program to copy all elements of one array to another
11. Write C program to count number of each element in an array
12. Write C program to delete all duplicate elements from an array
13. Write C program count total duplicate elements in an array
14. Write C program to merge two sorted array
15. Write C program to put even and odd elements of array in two separate array
16. Write C program to find reverse of an array
17. Write C program to left rotate an array
18. Write C program to right rotate an array

## List of C language matrix programs with an examples

1. Write C Program to Add Two Matrices
2. Write C Program to Multiply Two Matrices
3. Write C Program to check whether two matrices are equal or not
4. Write C Program to Find the Transpose of a given Matrix
5. Write C Program to Find sum of each row and columns of a matrix
6. Write C Program to Find the Frequency of Odd & Even Numbers in the given Matrix
7. Write C Program C program to interchange diagonals of a matrix

## All structure programs with examples

1. Write a C program to Store Information in Structure and Display it
2. Write a C Program to add two distances in inch-feet system using Structure

3. [Write a C Program to Calculate Difference Between Two Time Periods](#)
4. [Write a C program to demonstrate example of Nested Structure](#)
5. [Write a C program to demonstrate example of structure pointer](#)
6. [Write a C program to calculate percentage of student using structure](#)
7. [Write a C program to create Book Details using structure](#)

Number pattern programs in c language

Star Pattern in c Programming language

All Alphabet programs with examples

 cLanguage

 C programming examples exercises and solutions for beginners

< [250+ C++ Basic: Exercises, Practice, Solution | C++ programming example and solutions](#)

> [How to Export HTML string to PDF file using iTextSharp DLL in C#](#)

Leave a Comment

☐ Save my name, email, and website in this browser for the next time I comment.

Post Comment

[Get and search records from database and show it in gridview](#)

[Autocomplete textbox functionality using JQuery and MVC](#)

[Save images in database and display it into views using MVC](#)

[How to remove the space between inline block elements?](#)

[How to find out Microsoft SQL Server Enterprise Edition Expiration Date](#)

[Creating Registration and Login Page in ASP.Net](#)

[Populate city dropdown based on state dropdown](#)

[How do I import a namespace in Razor View Page?](#)

[What is the difference between Public, Private, Protected and Internal?](#)

[All number patterns using C++ programming Language](#)

[List of all conditional programs in c language](#)

[Paging in ASP.Net GridView in Code Behind using C#](#)



[All star patterns using java programming Language](#)

[Why MVC is better than Asp.Net Webform.](#)

[List of C language array programs with an examples](#)

---

© 2021 Tech Study. All rights reserved | [Contact](#) | [Developed by Tech Study](#) | [Privacy Policy](#) | [copyrights](#) | [DMCA](#)