

CodezClub

Welcome to Coding World | C C++ Java DS Programs

C++ Solved programs, problems/Examples with solutions

C++ Solved programs, problems with solutions

C++ Solved programs —> C++ is a powerful general-purpose programming language. It is fast, portable and available in all platforms.

This page contains the C++ solved programs/examples with solutions, here we are providing most important programs on **each topic**. These C examples cover a wide range of programming areas in Computer Science.

Every example program includes the description of the program, C++ code as well as output of the program. All examples are compiled and tested on a Windows system.

These examples can be as simple and basic as “Hello World” program to extremely tough and advanced C++ programs. Here is the List of C++ solved programs/examples with solutions (category wise) and detailed explanation.

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C++ Solved Programs by categories.....

C++ Basic Solved Programs

- [C++ Program to Print Number \(Entered by the User\)](#)
- [C++ Program to Addition of Two Numbers](#)
- [C++ Program to Find Quotient and Remainder](#)
- [C++ Program to Swap Two Numbers Without Using third variable](#)
- [C++ Program to Find Size of int, float, double and char](#)
- [C++ Program to Multiply two Numbers](#)
- [C++ Program to Find ASCII Value of a Character](#)
- [C++ program to generate random numbers](#)
- [C++ Program to calculate sum and average of three numbers](#)
- [C++ Program to convert inches into yard, feet and inches](#)
- [C++ Program to raise any number X to power N](#)
- [C++ Program to Add Two Numbers](#)
- [C++ Program to Convert Days Into Years, Weeks and Days](#)
- [C++ Program to find Square Root of a number](#)
- [C++ Program to find Compound Interest](#)
- [C++ program to find cube of number using macros](#)
- [C++ Program to Check Number is Odd or Even](#)
- [C++ Program to Check Character is Uppercase, Lowercase, Digit or Special Character](#)
- [C++ Program to Check whether year is Leap year or not](#)
- [C++ Program to Find All Roots of a Quadratic Equation](#)
- [C++ Program to Check Whether a character is Vowel or Consonant](#)
- [C++ Program to Check given number is Even or Odd](#)
- 34 ▪ [C++ Program to Check given number is Prime number or not](#)
 - [C++ Program to find Factorial of a Number](#)
 - [C++ program to Print Table of any Number](#)
 - [C++ Program to Reverse a Number](#)
 - [C++ Program to Find number of Digits in any number](#)

- [C++ Program to find Fibonacci Series](#)
- [C++ Program to Check given number is Armstrong or Not](#)
- [C++ program to Find Largest Number among three numbers](#)
- [C++ program to Check Number is Palindrome or not](#)
- [C++ Program to Find HCF of two numbers](#)
- [C++ program to find LCM of two numbers](#)
- [C++ program to find Square Root of a Number](#)
- [C++ Program to find Cube Root of Number](#)
- [C++ program to find sum of digits of a number](#)
- [C++ Program to Find Power of Number](#)
- [C++ Program to find average of numbers](#)
- [C++ Program for Pascal Triangle](#)

C++ Number Solved Programs

- [C++ Program to calculate sum and average of three numbers](#)
 - [C++ Program to raise any number X to power N](#)
 - [C++ Program to Add Two Numbers](#)
 - [C++ Program to find Square Root of a number](#)
 - [C++ Program to Check given number is Even or Odd](#)
 - [C++ Program to Check given number is Prime number or not](#)
 - [C++ Program to find Factorial of a Number](#)
 - [C++ program to Print Table of any Number](#)
- 34.** ▪ [C++ Program to Reverse a Number](#)
- [C++ Program to Find number of Digits in any number](#)
 - [C++ Program to find Fibonacci Series](#)
 - [C++ Program to Check given number is Armstrong or Not](#)
 - [C++ program to Find Largest Number among three numbers](#)

- [C++ program to Check Number is Palindrome or not](#)
- [C++ Program to Find HCF of two numbers](#)
- [C++ program to find LCM of two numbers](#)
- [C++ program to find Square Root of a Number](#)
- [C++ Program to find Cube Root of Number](#)
- [C++ program to find sum of digits of a number](#)
- [C++ Program to Find Power of Number](#)
- [C++ Program to Check Number is Unique Number or Not](#)
- [C++ Program to find average of numbers](#)
- [C++ Program to Find Sum of First n Natural Numbers](#)
- [C++ Program to Find Divisors of a Number](#)
- [C++ Program to Find Sum of Square of n Natural Numbers](#)
- [C++ Program to Convert Binary to Decimal](#)
- [C++ Program to Convert Decimal to Binary](#)
- [C++ Program to Display Prime Numbers Between Two Intervals](#)
- [C++ Program to Convert Binary Number to Octal](#)
- [C++ Program to Convert Octal to Binary](#)
- [C++ Program to Convert Octal Number to Decimal](#)
- [C++ Program to Convert Decimal Number to Octal](#)
- [C++ Program to Make a Simple Calculator](#)
- [C++ program to find area of circle](#)
- [C++ Program to find Area and Perimeter of Rectangle](#)
- [C++ Program to find Perfect Number](#)
- [C++ Program to Calculate Grade of Student](#)
- [C++ Program to Calculate Arithmetic Mean](#)
- [C++ Program to Calculate Average Percentage Marks](#)

- [C++ Program to Print entered String](#)
- [C++ Program to Find Frequency of Characters in String](#)
- [C++ program to Find Length of String](#)
- [C++ Program to Compare Two Strings](#)
- [C++ Program to Reverse String](#)
- [C++ program to concatenate two string](#)
- [C++ Program to Copy String into Another String](#)
- [C++ Program to Find Number of Vowels, Consonants, Digits, Spaces in String](#)
- [C++ Program to Remove Characters in String Except Alphabets](#)
- [C++ Program to Sort Elements in Lexicographical Order](#)
- [C++ Program to Swap Two Strings](#)
- [C++ Program to Convert Lowercase to Uppercase](#)
- [C++ Program to Convert Uppercase Character to Lowercase](#)
- [C++ Program to Convert Uppercase String to Lowercase](#)
- [C++ Program to Remove Spaces from String](#)
- [C++ Program to Count Words in String](#)
- [C++ Program to Delete Words from String](#)
- [C++ Program to Delete Vowels from String](#)
- [C++ Program to Find Substring in String](#)
- [C++ Program for Permutation of String](#)
- [C++ Program to reverse all strings stored in an array](#)
- [C++ Program to Convert first alphabet from lowercase to uppercase](#)
- [C++ Program to check whether String is Palindrome or not](#)
- [C++ Program to convert first letter of each word to uppercase and other to lowercase](#)

- [C++ Program to Remove Characters in String Except Alphabets](#)

- [C++ Program to find Maximum or Largest number in array](#)
- [C++ Program to enter 5 numbers & display first and last only](#)
- [C++ Program To reverse an array elements entered by user](#)
- [C++ Program to Sort an Array Elements in Ascending Order](#)
- [C++ Program to Sort an Array Elements in Descending Order](#)
- [C++ Program for Addition of two matrix](#)
- [C++ Program to Find Duplicate Elements in Array](#)
- [C++ Program to Find Sum of Elements of an Array](#)
- [C++ Program to Reverse elements of an Array](#)
- [C++ Program to Find Even & Odd Elements in Array](#)
- [C++ Program to Delete element from Array](#)
- [C++ program to Insert element at specific position in array](#)
- [C++ Program to Pass Array in Function](#)
- [C++ Program for Three Dimensional \(3D\) Array](#)
- [C++ Program for Two Dimensional Array](#)
- [C++ Program to Delete Element from Array](#)
- [C++ Program to Find Smallest Element in Array](#)
- [C++ Program to Find Largest Element in Array](#)
- [C++Program for One Dimensional \(1-D\) Array](#)
- [C++ Program to Calculate Average of elements in an Arrays](#)
- [C++ Program to Access Elements of an Array Using Pointer](#)
- [C++ Program to Multiply Two Matrix Using Multi-dimensional Arrays](#)
- [C++ Program to Find Transpose of a Matrix](#)
- [C++ Program to Subtract Two Matrices](#)
- [C++ Program for Quick Sort using arrays](#)
- [C++ Program for Shell Sort using Arrays](#)
- [C++ Program for Union of Two Sorted Arrays](#)
- [C++ Program for Union of Two Unsorted Arrays](#)
- [C++ Program for Insertion Sort using Array](#)
- [C++ Program for Selection Sort using Arrays](#)

- [C++ Program to Find Largest and Smallest Element of a Matrix](#)
- [C++ Program for Binary Search in Arrays](#)
- [C++ Program for Linear Search in Arrays](#)
- [C++ Program to Find Sum of Diagonals of Matrix](#)
- [C++ Program to Print Lowerhalf and Upperhalf of Triangle Matrix](#)
- [C++ Program to Find Sum Above and Below of Main Diagonal Matrix](#)
- [C++ Menu Driven Program for Queue Operations using Arrays](#)
- [C++ Menu Driven Program for Stack Operations Using Arrays](#)
- [C++ Program to implement Merge Sort using Divide and Conquer Algorithm](#)

C++ Functions Solved Programs

- [C++ Program for Linear search using recursion](#)
- [C++ Program to Find Factorial of Number Using Recursion](#)
- [C++ program to Find Sum of Natural Numbers using Recursion](#)
- [C++ program to Check Number can Express as Sum of Prime Numbers](#)
- [C++ Program to Check Prime Number](#)
- [C++ Program to Display Prime Numbers Between Two Intervals](#)
- [C++ Program to Find GCD Using Recursion](#)
- [C++ Program to Find Power Using Recursion](#)
- [C++ program to Reverse String Using Recursion](#)
- [C++ Program to Convert Binary Number to Octal](#)
- [C++Program to Convert Octal to Binary](#)
- 34. ▪ [C++ Program to Convert Octal Number to Decimal](#)
- [C++ Program to Convert Decimal Number to Octal](#)
- [C++ Program to Convert Binary Number to Decimal](#)
- [C++ Program to convert decimal number to binary](#)
- [C++ Program for Fibonacci Series Using Recursion](#)

- [C++ program to swap values using pass by reference](#)
- [C++ Program to print series using function: \$x + x^3/3! + x^5/5! + \dots + x^n/n!\$](#)
- [C++ Program for Addition, subtraction and multiplication using function](#)
- [C++ Program to find cube of number using function](#)
- [C++ program to find greatest between two numbers using inline function](#)
- [C++ program to find factorial by defining functions outside the class](#)
- [C++ program to find greatest b/w 3 nos. by defining the functions inside class](#)
- [C++ program to swap two characters and integers by call by value](#)
- [C++ program to find reverse of number by defining functions outside class](#)
- [C++ program to swap 2 characters and integers by call by address](#)
- [C++ program to find sum and product of 5 numbers using inline function](#)
- [C++ program to add two time by Call by reference](#)
- [C++ program to add two time by Call by address](#)
- [C++ program to find how many times function called by objects](#)
- [C++ program to find square of float and integer using inline function](#)
- [C++ program to add two complex number passing objects as arguments](#)
- [C++ program to find factorial of number using functions](#)
- [C++ program to check number is palindrome or not using Function](#)
- [C++ Program to Swap two numbers using call by value](#)
- [C++ Program to Swap two numbers by call by address](#)
- [C++ Program to Swap two numbers by call by reference](#)

C++ Classes and Objects Solved Programs

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- [C++ program to find factorial by defining functions outside the class](#)
- [C++ program to find greatest b/w 3 nos. by defining the functions inside class](#)
- [C++ program to find reverse of number by defining functions outside class](#)
- [C++ program to add two time by Call by reference](#)

- C++ program to add two time by Call by address
- C++ program to find how many times function called by objects
- C++ program to find square of float and integer using inline function
- C++ program to add two complex number passing objects as arguments
- C++ Program to display entered Date
- C++ program to display Student details using class
- C++ Program to find Largest among 3 numbers using classes
- C++ Program to find Sum of odd numbers between 1 and 100 using class
- C++ program to display Entered Time using class
- C++ program to find Largest among 2 numbers using class
- C++ program to Swap two numbers using class
- C++ program for various Mathematical Operations using Switch case
- C++ Program to Compare Two Strings using overloading
- C++ Program to enter student marks and roll no. using Virtual Class
- C++ Program to Print Numbers From 1 to n using class
- C++ Program to calculate Volume of Cube using constructor and destructor
- C++ Program to Perform Complex Operations using Overloading
- C++ Program to determine the Area of Rectangle using constructors
- C++ Program to show Constructor & Destructor Example
- C++ Program to Show Counter using Constructors
- C++ Program to Display Date using Constructors
- C++ program to Display Student Details using constructor and destructor
- C++ Program to enter student details by Passing parameters to constructors
- C++ Program to Show Overload Constructor Example
- C++ Program to show Example of Default copy constructor
- C++ Program to demonstrate Constructor Overloading
- 34 ▪ C++ Program To calculate Volume of Box using Constructor
- C++ Program To Calculate Simple Interest using class
- C++ Program To Calculate Electricity Bill Of Person using Class
- C++ program to multiply every member by 10 using class