

C Vs C++

S. No.	C	C++
1	C is a structural or procedural programming language.	C++ is an object oriented programming language.
2	Emphasis is on procedure or steps to solve any problem.	Emphasis is on objects rather than procedure.
3	Functions are the fundamental building blocks.	Objects are the fundamental building blocks.
4	In C, the data is not secured.	Data is hidden and can't be accessed by external functions.
5	C follows top down approach.	C++ follows bottom up approach
6	C uses scanf() and printf() function for standard input and output.	C++ uses cin>> and cout<< for standard input and output.
7	Variables must be defined at the beginning in the function.	Variables can be defined anywhere in the function.

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9	C is a middle level language.	C++ is a high level language.
10	Programs are divided into modules and functions.	Programs are divided into classes and functions.
11	C doesn't support exception handling directly. Can be done by using some other functions.	C++ supports exception handling. Done by using try and catch block.
12	Features like function overloading and operator overloading is not present.	C++ supports function overloading and operator overloading.
13	C program file is saved with .C extension.	C++ program file is saved with .CPP extension.
14	Mapping between Data and Function is difficult and complicated.	Mapping between Data and Function can be used using "Objects"
15	In C, we can call main() Function through other Functions	In C++, we cannot call main() Function through other functions.
16	It supports built-in and primitive data types.	It support both built-in and user define data types.
17	In C, malloc() and calloc() Functions are used for Memory Allocation and free() function for memory Deallocating.	In C++, new and delete operators are used for Memory Allocating and Deallocating.
18.	main() does not return any value	main() returns integer value
19.	Structure contains only data	Structure contains data and method