

Sr No.	Parameters	C	C++
1.	Language Type	C is a Procedure Oriented programming language (POP).	C++ is an Object-Oriented Programming Language (OOP).
2.	Developer	Dennis Ritchie	Bjarne Stroustrup
3.	Extension	C files have extension .c	C++ files have extension .cpp
4.	Execution Approach	C used top-down approach.	C++ uses the bottom-top approach.
5.	Where Used	C is mostly used to develop software.	C++ is mostly used to modal real-life problem into program and use to develop application programs.
6.	Basic Building Block	Functions (C is function-driven)	Objects (C++ is object driven)
7.	Default header file	Stdio.h (standard output/input)	iostream.h (input/output stream)
8.	Keywords	C contains 32 keywords	Normally C++ contains 63 Keywords.
9.	Comment Style	// single comment line /*---*/ multiple line	// single comment line /*---*/ multiple line
10.	Data Security	Data is not secured.	Data is secured (hidden)
11.	Evolution	C is evolved from B, BCPL languages. It is s super set of B.	C++ is evolved from C & Simula67. C++ is superset of C.
12.	Data Visibility modes	C does not provide any data visibility mode	C++ provides different data visibility modes: Public, Private and Protected.
13.	Declaration Flexibility	Inflexible, all variable declarations within a scope occur at the beginning of that scope	Flexible, allow the declaration of a variable anywhere in the scope.
14.	Variable Name (identifier) length	32 characters	No such limit.
15.	Dynamic Initialization of Variables	Does not support, a variable must be initialized using a constant expression.	Supports, variable can be initialized at runtime using expression at the place of declaration.
16.	Runtime Error handling (Exception handling)	C does not support Execution Handling.	C++ supports Execution Handling.
17.	Function inside structures	We cannot use functions inside structures in C.	We can use functions inside structures in C++.