

* Difference between C and C++

C	C++
1) C is Procedure Oriented Programming.	1) C++ is a programming language.
2) C is developed by Denis Ritchie.	2) C++ is developed by Bjarne Stroustrup.
3) C is introduced in 1972.	3) C++ is introduced in 1979.
4) C emphasizes on functions.	4) C++ emphasizes on data.
5) C is a subset of C++.	5) C++ is a superset of C.
6) C is middle level language.	6) C++ is high level language.
7) Major Input/Output Functions are available <code><stdio.h></code> .	7) Major Input/Output functions are available <code><iostream.h></code> .
8) Data is is not secured.	8) Data is secured (hidden).
9) <code>scanf()</code> and <code>printf()</code> functions are used for Input/output in C.	9) <code>cin</code> and <code>cout</code> are used for input/output in C++.
10) It does not support the concept of classes.	10) It implements the concept of classes and objects.

C

C++

11) C is function driven language.

C++ is an object driven language.

12) C follows the top-down approach.

C++ follows the bottom-up approach.

13) C does not provide the feature of namespace.

C++ supports the feature of namespace.

14) Inheritance is not supported in C.

Inheritance is possible in C++ language.

15) C contains 32 keywords.

C++ contains 52 keywords.

16) In C, Polymorphism is not possible.

Polymorphism is one of the most important features of OOPs.

17) Operator Overloading is not possible in C.

Operator Overloading is possible in C++.

18) C supports function programming.

C++ supports OOPs.

19) file extension in C is .c.

file extension in C++ is .cpp.

20) It is not compatible with Java.

It is compatible with Java.