

JAVA vs C++

- Java is a true object-oriented language while C++ is a basically C with object oriented extensions.
- C++ has maintained backward compatibility with C.

Java appears to be similar to C++ when we consider only the "extension" part of C++.

- Difference between C++ and Java:-

Comparison Index	C++	JAVA
1. Origin	Based on C Language	Based on C and C++.
2. Developer	Bjarne Stroustrup in 1979.	James Gosling in 1991.
3. Platform Independent	C++ is a Platform dependent.	Java is Platform independent.
Compiler and Interpreter	C++ uses Compiler only.	Java uses both Compiler and Interpreter.

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5. Goto	C++ Supports goto statement.	JAVA doesn't support goto statement.
6. Operator Overloading	C++ Supports Operator Overloading.	Java doesn't support operator Overloading.
7. Header Files	Supported.	Use Packages.
8. Type	C++ is both Procedural Object-Oriented Programming language.	Java is only Object-Oriented Programming language.
9. Input-output Mechanism	C++ uses cin for input and cout for output.	Java uses the <u>System.in</u> for input and <u>System.out</u> for output.
10. Program Example	<pre>#include <iostream> using namespace std; int main () { cout << "Hello World!"; return 0; }</pre>	<pre>class Simple { public static void main (String args[]) { System.out.println("Hello") } }</pre>