**INTRODUCTION TO C++ …**

[Bjarne Stroustrup](http://en.wikipedia.org/wiki/Bjarne_Stroustrup), a Danish computer scientist, began his work on C++'s predecessor "C with Classes" in 1979. The motivation for creating a new language originated from Stroustrup's experience in programming for his Ph.D. thesis. Stroustrup found that [Simula](http://en.wikipedia.org/wiki/Simula) had features that were very helpful for large software development, but the language was too slow for practical use, while [BCPL](http://en.wikipedia.org/wiki/BCPL) was fast but too low-level to be suitable for large software development. When Stroustrup started working in [AT&T Bell Labs](http://en.wikipedia.org/wiki/AT%26T_Bell_Labs), he had the problem of analyzing the [UNIX](http://en.wikipedia.org/wiki/Unix) [kernel](http://en.wikipedia.org/wiki/Kernel_(computer_science)) with respect to [distributed computing](http://en.wikipedia.org/wiki/Distributed_computing). Remembering his Ph.D. experience, Stroustrup set out to enhance the [C](http://en.wikipedia.org/wiki/C_(programming_language)) language with [Simula](http://en.wikipedia.org/wiki/Simula) - like features. C was chosen because it was general-purpose, fast, portable and widely used. As well as C and Simula's influences, other languages also influenced C++, including, [ALGOL 68](http://en.wikipedia.org/wiki/ALGOL_68), [Ada](http://en.wikipedia.org/wiki/Ada_(programming_language)), [CLU](http://en.wikipedia.org/wiki/CLU_(programming_language)) and [ML](http://en.wikipedia.org/wiki/ML_(programming_language)).

Initially, the class, derived class, [strong typing](http://en.wikipedia.org/wiki/Strong_typing), [inlining](http://en.wikipedia.org/wiki/Inlining), and [default argument](http://en.wikipedia.org/wiki/Default_argument) features were added to C via Stroustrup's "C with Classes" to C compiler, Cpre.