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DEVELOPMENT HISTORY OF C++ PROGRAMMING LANGUAGE

Everything started with creation a language that incorporated features of other advanced languages of the time, such as Simula, by Bjarne Stroustrup in the 1980s.

The new language was called “C with classes”. Development time was shortened thanks to Simula classes, and computation time was shortened thanks to the speed of the C language.

One of the main features was the translation of the “C with classes” code into standard C. This made it possible to create projects in two programming languages. Also, programmers did not have to learn a new language.

In 1983, the language was renamed C++ because it was no longer a simple extension with classes.

The first commercial release of C++ took place in 1985.

The first addition to the standard C++ library was Input/ Output streams, providing a means to replace the traditional C functions.

Every few years new standards came out in the language. The last version of the standard was released in 2017 and was called C++17.

At the moment no one has the rights to the C++ language, it is a free language.

C++ is the most versatile language of its time which has taken the best from other languages.

As a universal language, C++ had to match many parameters; it had to incorporate the best of other languages.

C++ is widely used for software development, being one of the most popular programming languages.

C++ has had a huge influence on other programming languages, most notably Java and C#. But the direct descendant of C++ is D, conceived as a reworking of C++ to eliminate its most obvious problems.

This language is criticised for the same things it is praised for, C compatibility.

Many of the stated C language systems did not work perfectly, (for example an impossible hierarchy of complexes; primitive metaprogramming and so on).

To sum up, C++ has really turned the world upside down. It gave rise to many other popular programming languages. It has become a part of the history and is used by a huge number of people and companies.