**C++ Overview**

**What is C++?**

* C++ was developed by Bjarne Stroustrup, as an extension to the C language.
* Despite being an 80s creation, C++ has been a popular programming language throughout these years.
* C++ is a cross-platform language that can be used to create high-performance applications and software systems.
* C++ is very close to the hardware making it comparatively easy for programmers to give the instructions directly to the system without any intermediary giving programmers a high level of control over system resources and memory.

**Why should we learn C++/ Features of C++?**

* C++ is one of the world's most popular programming languages.
* In today's operating systems, GUIs, and embedded systems, C++ is widely used.
* It is one of the most popular programming languages for its object-orientedness. C++ is an object-oriented programming language that gives a clear structure to programs and allows code to be reused, lowering development costs.
* With C++, you can develop applications or heavy games that can run on different platforms.
* As C++ is close to other programming languages such as C# and Java, which makes it easy for programmers to switch to C++ or vice versa while it is actually very easy to learn.

**How is it different from C?**

* The syntax of C++ is almost identical to that of C, as C++ was developed as an extension of C.
* In contrast to C, C++ supports classes and objects, while C does not.