A Bit About C++

In this lesson, you will be introduced to C++ and its various features.

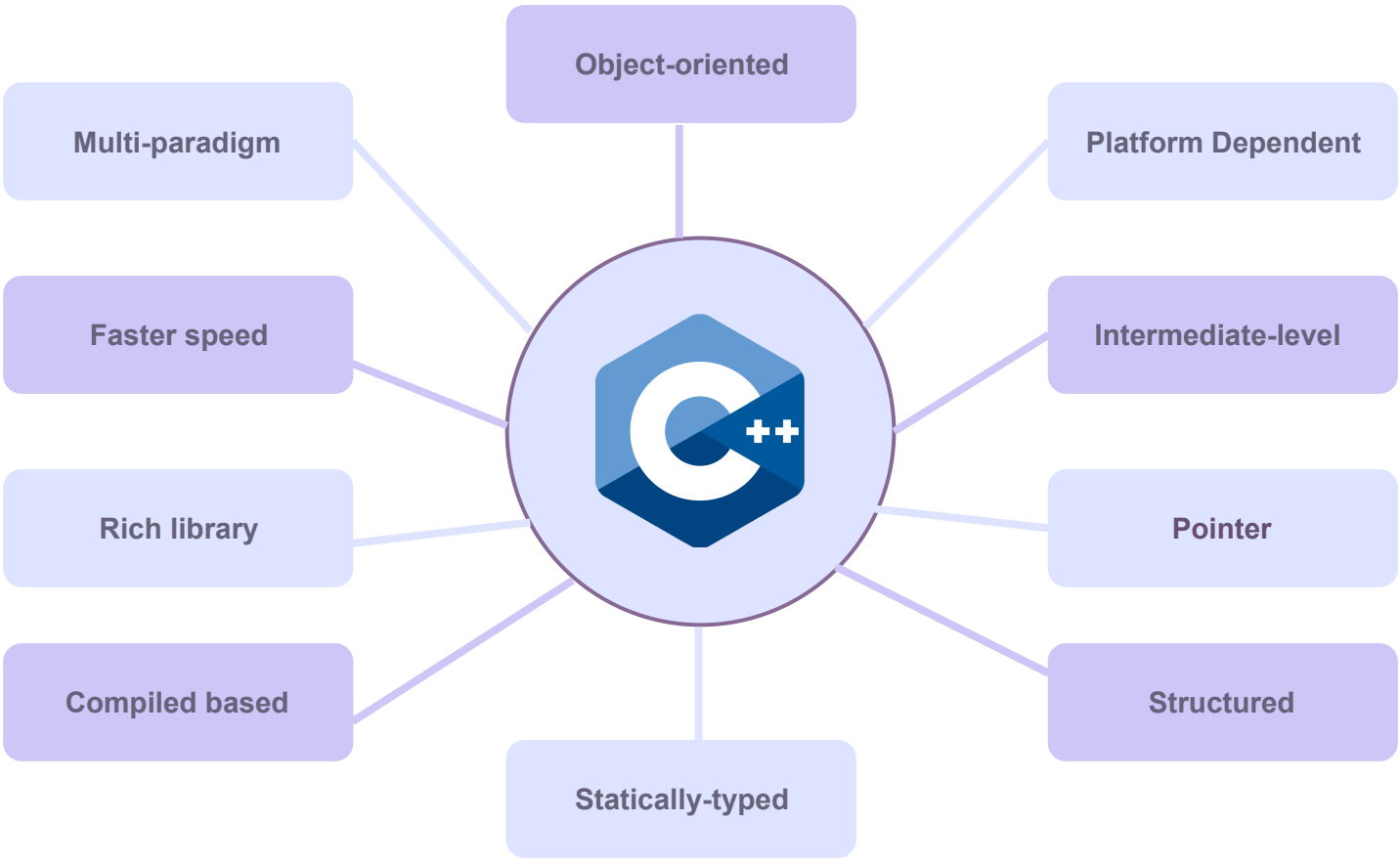
We'll cover the following

What is C++?

C++ is a general-purpose, object-oriented programming language developed by **Bjarne Stroustrup** in **1979**. It is an extension of C. Therefore, we can use C++ to either code in "C style" or "object-oriented style," depending upon your requirements.

C++ features

The most important features of C++ are:



C++ features

Platform dependent

C++ is a platform-dependent language. This means that a program written and compiled on a particular operating system won't run on any other operating system. For example, a C++ program developed and compiled in the Windows operating system will not run on macOS, Linux, or Android OS.

Intermediate-level language

C++ supports the features of both high-level and low-level programming languages. That is why it is known as an intermediate-level programming language.

Object-oriented

C++ is an object-oriented programming language (OOP). OOP makes the development easier by breaking the complex problem into subproblems using objects.

Structured

C++ is a structured programming language, meaning that we can divide a program

into different parts using functions.

Statically-typed

C++ is a statically-typed language. In a statically-typed language, the variable types are explicitly declared and are determined at compile time.

Compiled

It is a compiled programming language. In a compiled programming language, you cannot execute a program without compilation.

Support-rich library

C++ Standard Template Library (STL) provides a lot of inbuilt functions. STL makes development faster and easier.

Speed

The compilation and execution time of C++ is much faster than the other general-purpose programming languages.

Multi-paradigm

C++ supports different styles of programming. Developers can choose a programming style according to their use case.

Pointer

C++ supports the features of pointers. Pointers are used to interact with the memory.

Let’s learn about the history of C++.