

What Is C++ ?

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WHAT IS C++ ?

C++ is a general purpose, case-sensitive, free-form programming language that supports object-oriented, procedural and generic programming.

C++ is a middle-level language, as it encapsulates both high and low level language features.

Object-Oriented Programming (OOPs)

C++ supports the object-oriented programming, the four major pillar of object oriented programming used in C++ are:

1. Inheritance
 2. Polymorphism
 3. Encapsulation
 4. Abstraction
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Standard Libraries

Standard C++ programming is divided into three important parts:

- The core library includes the data types, variables and literals, etc.
 - The standard library includes the set of functions manipulating strings, files, etc.
 - The Standard Template Library (STL) includes the set of methods manipulating a data structure.
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Usage of C++

By the help of C++ programming language, we can develop different types of secured and robust applications:

- Window application
- Client-Server application

- Device drivers
- Embedded firmware etc