

Programming in C++

 Duration: 5 Days

 Available Languages: English

Audience

Software Developers.

Precondition

Knowledge of programming in general.

Goals

Write programs in C++.

Contents

- Overview of C++ Language
- Setup
- Basic Elements of C++
 - Variables
 - Data Types
 - Operators
 - Conditional Statements
 - Loops
 - Arrays and Structures
 - Strings
 - Namespaces
 - Standard Libraries
- Further Topics
 - Dynamic Memory Allocation
 - malloc()
 - calloc()
 - realloc()
 - free()
 - Functions
 - Pointers
 - Concept
 - Pointers and Character Strings
 - Pointers to Functions
 - Pointers and Structures Call by Reference Function
 - Input / Output Operations on Files
 - Error Handling
 - Command Line Operations

- Object Oriented Programming
 - Concept Overview
 - Classes and Objects
 - Abstraction
 - Encapsulation
 - Inheritance
 - Method Overloading vs Method Overriding
 - Polymorphism
 - File Handling
 - Exception Handling
- Demo Sample C++ Application

Booking

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