Intensive C++

Duration: 5 Days   Course Code: GK0791

Overview:

In this course, experienced programmers will get a comprehensive, in-depth view of the C++ language. Included is complete coverage from fundamental concepts of class, inheritance, virtual functions. In addition to syntax, this course integrates the pragmatic and the theoretical with discussions of object-oriented principles, beneficial design criteria, efficiency tradeoffs, common design patterns, and other useful idioms and programming techniques

Target Audience:

Experienced programmers who want to learn as much as possible about C++

Objectives:

- Classes, member functions, and protection
- Inheritance, single, and multiple
- Constructors and destructors
- Overloading, dynamic binding, and virtual functions
- Polymorphism and generic programming
- Template functions and classes
- Exceptions and error handling
- Operator overloading

- Dynamic memory, copy/assignment, and memory management
- Type conversion and run-time type information (RTTI)
- Namespaces and project organization
- Efficiency issues, code generation, and inlining
- Function objects, pointers, and callbacks
- Standard library io-streams, strings, and containers
- Effective programming idioms and techniques
- Object-oriented programming, patterns, and design

Content:

- Basics
- Functions
- Types
- Member Functions
- Inheritance
- Constructors
- Protection
- Virtual
- Templates

- Pointers
- Dynamic Memory
- Operator
- Dynamic Memory 2
- Exceptions
- Constructors 2
- Scope
- Virtual 2
- Inheritance 2

- Type Conversion
- Functions 2
- Std Containers
- Preprocessor
- Compilation
- Patterns
- Object-Oriented Programming and Design

Further Information:

For More information, or to book your course, please call us on 00 971 4 446 4987

training@globalknowledge.ae

www.globalknowledge.com/en-ae/

Global Knowledge, Dubai Knowledge Village, Block 2A,First Floor, Office F68, Dubai, UAE