



Java Programming for C++ Developers

Length: Three days

Level: Beginner

DESCRIPTION

This course provides a solid foundation in Java by building on the programming knowledge you already have in C and C++. You will deepen your understanding of key object-oriented programming concepts and acquire valuable hands-on experience developing Java applets and applications.

OBJECTIVES

Upon completion of the course, participants will be able to:

- Read and understand the Java syntax
 - Create, compile and run Java applets and applications
 - Identify features that are similar to C++ as well as those that are unique to Java
 - Write functions, decisions and loops
 - Define and implement classes to produce reliable, reusable code
 - Use utility class libraries
 - Manipulate data using arrays and containers
 - Manipulate text using strings
 - Handle input/output with streams
 - Handle exceptions
 - Implement event-driven programming using AWT and JFC
 - Create multi-threaded programs
 - Implement object-oriented designs using encapsulation, inheritance and polymorphism
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TOPICS

- Applets and Java Applications
 - Compiling and Running
 - Development Tools
 - Migrating from C++ to Java
 - Utility Class Libraries
 - Arrays and Containers
 - Input/Output and Streams
 - Files and Directories
 - Exceptions
 - Graphical User Interfaces with AWT and JFC
 - Events, Event Handlers and Event Adapters
 - Threads
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AUDIENCE

- Software Developers
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PREREQUISITES

- Basic understanding of the software development cycle.
- Basic understanding of object-oriented concepts.
- Good understanding of C++ fundamentals.
- Some C++ programming experience.