Java for COBOL Programmers

Duration: 5 Days

Price: $2795 *California residents and government employees call for pricing.

Discounts: We offer multiple discount options. Click here for more info.

Delivery Options: Attend face-to-face in the classroom or remote-live attendance.

Students Will Learn

- Object oriented concepts
- Java syntax and control structures
- Data types and expressions
- Packages, classes, objects and methods
- Arrays
- String handling
- Exception handling
- Inheritance and polymorphism
- Input and output stream processing
- GUI programming concepts

Course Description

This hands on Java Programming course provides experienced COBOL programmers with the ability to utilize the structure and syntax of the object oriented Java programming language for both general business and Internet programming applications. The student is prepared to code, test, and execute Java programs making use of the facilities provided by the language. Because procedural programming uses a different paradigm than object oriented programming, this course concentrates on the application of basic object oriented concepts.

This class is intended for experienced COBOL programmers or programmers experienced in any procedural (non object-oriented) programming language. Students who already understand object-oriented programming techniques should attend the Java Programming course instead of this course.

Course Prerequisites

Familiarity with and experience using COBOL or any procedural programming language.

Course Overview

| Introduction | Objected Oriented Concepts |
Arrays
- Declaring Arrays
- Accessing Array Elements
- Physical layout of Arrays
- Arrays of Objects
- Copying Arrays
- Multi-Dimensional Arrays

Strings
- String class Methods
- StringBuffer class Methods
- Passing Arguments to main

Introduction to GUI Layout and Event Handling
- Overview of Graphical User Interface Components
- Containers and Layout Managers
- Event Handling

Exception Class Hierarchy
- Raising and Exception
- Dealing with Exceptions
- Defining Exception Classes

Input/Output Streams
- Standard Streams
- The java.io Package
  - InputStream and OutputStream
  - Reader and Writer
- File I/O
- Filtered Streams
- Buffered Streams
- Data Streams
- Character Streams

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