Topics Covered In Video Lectures & Demos

Lessons in Unit I

Introduction Series (Computer Components, Software Development Process, Introducing Java)

JDK: Install and Test JDK
Eclipse: Install and Test Eclipse
Series I: Computer Components; Hardware, Software and Languages
Series II: Computer Languages, & Software Development Process
Series III: Introducing Java (CLASSPATH, JDK, JVM, Eclipse)

Lessons in Unit II

Data Types Series (Data types, I/O, and Operators)

Series I: Dissect Java Program, Input Output
Series II: Java Language Artifacts: Keywords, Variables
Series III: More Java Language Artifacts: Operators, Introducing control statements

Control Statements Series (Compound Operators, if..else, loops)

Series I: More Operators: Compound and increment/decrement operators
Series II: Control Statements: sequence, and selection
Series III: More Control s Statements: Loops

Lessons in Unit III

Methods and Class Series (Arrays, Methods, Class, Character Strings)

Series I: Arrays
Series II: Methods
Series III: Introducing Class and Objects
Series IV: Character Strings

Lessons in Unit IV

Class Exception Scope Series (Class, Error Handling, Scope)

Series I & II: Defining and Using Classes
Series III: Error Handling
Series IV: Life Time and Scope of Variables/Objects

Lessons in Unit V

OOP Series (Encapsulation, Inheritance, Abstract Class, Interface)

Series I: Encapsulation and Access Control
Series II: Inheritance
Series III: Abstract Class
Series IV: Interface

Lessons in Unit VI

Input/Output Collection Series (Exception Handling, Input/Output, Collections and Generics)

Series I: Advanced Topics in Exception Handling
Series II: Advanced Topics in Java Input/Output
Series III: Collections
Series IV: Generics

Lessons in Unit VII

Graphics Programming Series (GUI, and Event Handling)

Series I: Introducing Graphic User Interface
Series II: Event Handling