LEVANA TECHNOLOGIES

C6 -14-2:3 CIDCO Colony, Bldg. No. 14, 2nd floor, Between Abhyudaya bank & Bhatia School,
above Pragati Computers, New Panvel, Navi Mumbai, Maharashtra 410206
Contact No. 9869210326, 9320224606, 022-27464220   Email : info@levanatech.com
Website: http://www.levanatech.com

Java Programming for Android Development Training Workshop

Course Duration: Two Days (10 am to 5 pm)

Course Fee: Rs. 3,000/- (+ Tax)

Course Outline:

- **Introduction to Java**

    - Brief History of Java

    - The Java Technology Platform

    - Installing the JDK

    - Installing and Configuring Eclipse

- **Language Fundamentals**

    - Java Source File Structure

    - The 'main ( )' Method

    - Expressions and Statements

    - Java Keywords

    - Variables: Initialization, Scope,

    - Data Types

    - Primitive Data Types

    - Variable Assignment

    - Type Conversion

    - Primitive Casting Flow

    - Implicit Casting, Explicit Casting, Reference Casting

    - Java Operators

    - Flow Control: If-Else, Switch-Case, While Loop, Do-While

    - Arrays: Manipulation, Multi-Dimensional Arrays.

    - Methods: Declaration, Calling Methods.

    - Parameter Passing

- **Classes and Objects**
    - Overview of Object-Oriented Programming
    - Classes vs. Instances
    - Garbage Collection
    - Custom Classes
    - Package Structure and the Class Path
    - Importing Classes
    - Concept of a 'Constructor' and 'Finalize'
    - Attributes and Behavior
    - Member Modifiers
    - Static Attributes and Methods
    - Static Code Blocks
- **Inheritance**
    - Define inheritance
    - Describe the 'is-a' relationship
    - Explain how to use the 'extends' keyword to define an inheritance
       Relationship
    - Identify the effects of access modifiers in an inheritance relationship
    - Explain how to override inherited methods
    - Define abstract classes and their use
    - Define interfaces and their use
    - Discuss up-casting / down-casting references
    - Discuss virtual method invocation in Java
- **Encapsulation**
    - Defining Encapsulation
    - Access Control, Access Modifier
    - 'Setter & Getter' Methods
    - Inheritance and Encapsulation
    - Composition vs. Inheritance
- **Polymorphism**
    - Introduction to Polymorphism
    - Method Overloading
    - Method Overriding
    - Method Overloading Vs. Overriding

Advantages of Levana Technologies

- 100% Practical Oriented Workshops
- Industry Experienced Faculty
- Value for Money, Choose Modules of Your Choice
- Technical Support Even After Training

Levana Technologies conducts following workshops for Android Training

- Java Programming for Android Development - Two full days
- Android Application Development - Basic - Two full days
- Android Application Development - Advanced - Two full days
- Embedded Android & Android Internals - Two full days
- Android Testing - One full day

Other Fast Track Training Workshops conducted by Levana Technologies

- Integrated Linux Internals and Advanced Programming Training Workshop
- Embedded Linux and Device Driver Programming Training Workshop
- UNIX / Linux Shell Scripting with sed and awk Training Workshop
- Learn Japanese Language

Contact: Pratik

Contact Nos. : 9869210326, 9320224606

Address: Levana Technologies, C6-14-2:4,CIDCO Colony, Bldg. No. 14, 2nd floor, Between Abhyudaya bank & Bhatia School, above Pragati Computers, New Panvel, Navi Mumbai, Maharashtra 410206

Website: http://www.levanatech.com

Email: info@levanatech.com

At convenient travelling distance from Mumbai Central & Pune City.

For more details visit our website at http://www.levanatech.com