

Java Overview for Leadership

Length:

1 Day

Description:

This course covers the basics of typical technologies used in a JEE application, including overviews of HTML, HTTP and Java. The entire scope of JEE technology will be covered, including:

- Demonstrations of various tools and servers such as Eclipse and Tomcat
- Dynamic web HTML using Servlets and Java Server Pages (JSPs)
- Message Oriented Middleware using Java Messaging Service (JMS)
- Database connectivity with JDBC
- Java Naming and Directory Interface (JNDI)
- Java Web Services
- Java Server Faces
- SWING
- JUnit for testing
- Log4j for logging
- Other frameworks

Course Objectives:

Upon completion of the course, participants will be able to understand how servlets and JSPs work together to create robust applications.

Audience:

The audience for this class should be Managers and Team Leaders who need a comprehensive overview.

Course Contents:**Chapter 1 - Introduction**

- Instructor and Student Introductions
- Course Objectives
- Overview of the Materials
- Format of the Course

Chapter 2 – Enterprise Applications

- Federated Applications
- MVC (Model, View, Controller) Architecture
- Object-Oriented Concepts
- Industry Standards

Chapter 3 - Overview of Main Technologies

- Brief History of the Internet
- Brief History of Java
- Brief History of Client Side
- Brief History of Server Side
- Current Java Editions

Chapter 4 – Java Standard Technologies

- Core Language
- RMI
- CORBA
- RMI-IIOP
- JDBC
- XML
- JNDI

Chapter 5 – Java Enterprise Technologies

- JSP
- Servlet

Chapter 6 – Other Technologies

- Eclipse
- Tomcat
- Web Services
- JSF (Java Server Faces)
- Hibernate
- Spring

Chapter 7 – Related Technologies

- JUnit
- Log4J

Chapter 8 – Introduction to Enterprise Application Development

- JDBC