

Wizards Training

Java/J2EE Training Course Curriculum

Duration: Four Weekends/ Sat & Sun: 9.00am – 1.00pm or 1.00pm – 5.00pm
Weekdays - Mon, Wed, Fri: 6.30pm – 9.30pm or Tue, Thu: 6.30pm – 9.30pm

*****Core Java Programming*****

Introduction to Java and language fundamentals
Declaration and Access Control
Operators and Assignments
Flow control. Exception handling
Object orientation, Overloading and Overriding, Constructors and Return types
java. Lang.* - The Math class, String and Wrappers , StringTokenizer
Collections
Threads
Java File I/O
JDBC

*****JSP & Servlets*****

MVC Architecture
Integrating Eclipse with Tomcat web server
Concept of Servlet , Servlet life cycle
Request Response Architecture
A Simple Hello World Servlet , Get Vs POST
Using Servlet Config, Servlet Context, Request Dispatcher
Posting HTML form and invoking Servlet
Session Handling, session timeouts,
Handling cookies

Introduction to JSP, JSP life cycle
How to use scriptlets, JSP action, use Bean tags in code
Understanding JSP implicit objects.
Exception handling, Session handling with example
JSP Authentication, Roles etc.
Project using Servlets and JSP

*****Introduction to Struts *****

Objectives
Review: MVC model
what is Struts?
Struts flow
Creating a web application using struts and using Log4j and exploring the application.

*****EJB*****

Integrating Eclipse with BEA Weblogic Application server
Enterprise JavaBeans Communication
EJB Details
Session Beans

Training Location: 1039 Sterling Road, Ste. 103, Herndon-VA-20170. USA.
Ph: 703-263-7278, 703-968-6268 Fax: 703-935-8849 training @wizardsedu.com
(Behind Fuddruckers @ Cross Roads of Dulles on Elden Street)

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Entity Bean

Message Driven Bean

*****The Details of Writing Beans *****

EJB Development Overview

The Enterprise Bean Class

The Remote Interface

The Home Interface

Deployment Descriptors and EJB-JAR files

*****Java Message Service (JMS) *****

The principles of messaging systems

Features of the Java Messaging Service (JMS)

Writing a message driven Bean

Message Driven Bean Clients

*****Writing an EJB Client *****

The steps needed to write an EJB client

Calling Session bean from a client program

Calling Entity bean from a client program

Calling MDB from a client program

*****Introduction to ANT*****

Creating Build script using ANT

*****XML*****

Concept of XML

Introduction to DTD and XML Schema

Introduction to DOM, SAX with examples. Dom Vs. SAX comparison

***** Web Services, AJAX, Hibernate, Spring *****

Overview of Web Services with an example

Overview of AJAX with an example

Overview of Hibernate and Spring with an example.

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