CREDO SYSTEMZ
Simplifying IT

JAVA J2EE TRAINING COURSE CONTENT

SECTION 1 : J2EE INTRODUCTION & BASICS OF HTML, CSS & JAVA SCRIPT

➢ Web Application Basics
➢ Architecture of Web Application
➢ Difference between Client Side & Server Side
➢ What is Browser & Server?
➢ Types of Servers
➢ Difference between Web Server and Application Server
➢ Create Web Page using Html
➢ Form Elements
➢ Difference between Get & Post
➢ Applying styles using CSS
➢ User Input Validations using Java script
➢ Introduction about Programming Language Paradigms
➢ Java's Magic Bytecode.

Real-time Practicals

1. Create Registration form and perform validations

SECTION 2 : SERVLET INTRODUCTION & CREATION

➢ Introduction to servlet
➢ Servlet Life Cycle
➢ Servlet Creation
➢ Developing and Deploying Servlets in Tomcat Containers
➢ Deployment Descriptor (web.xml)
➢ Handling Request and responses

Real-time Practicals

1. Print Hai! In the first line and print How are You !! in the second line using single print statement. Get the input 10 25 a 1.2 Rama via command line arguments and print the values one by one.

SECTION 3 : SERVLET USAGE
- ➢ Servlet Chaining
- ➢ Sharing information using scopes.
- ➢ Session Tracking & Management
- ➢ Dealing with cookies & HTTP Session
- ➢ Accessing Database through servlet

Real-time Practicals

1. *Get the employee number from the user. Fetch employee record based on employee number from database and display the employee record using Servlet.*
2. *Perform CRUD operations using servlet.*
a. *Create the welcome page for add the employee details and view the employee details.*
b. *If you click view, then it has no display the employee details with edit link and delete link options.*
c. *If you click edit then it has to display the employee details with update option.*
d. *If you click delete option then it has to delete the record.*

SECTION 4 : SERVLET FILTER AND LISTENER
- ➢ Passing INIT and CONTEXT Parameter
- ➢ Controlling concurrent access
- ➢ User Authentication
- ➢ Programming Filter
- ➢ Filter Mapping
- ➢ Servlet Listeners

Real-time Practicals

1. *Count the number of visitors for a single Page.*

SECTION 5 : JAVA SERVER PAGES (JSP)
- ➢ JSP Basics
- ➢ Architecture of JSP
- ➢ Life Cycle of JSP (Conversion, Compilation)
- ➢ JSP Building Blocks
- ➢ Directives
- ➢ Scripting Elements
- ➢ Action Tags
- ➢ JSP Implicit Objects
- ➢ Exception Handling

SECTION 6 : JSP CAPABILITIES

➢ JSP Session Management
➢ Interaction of JSP with Database
➢ Java Bean
➢ Use Bean Tag
➢ Role of JSP in Model-View-Controller – 2 framework

SECTION 7 : JSP SPECIAL FEATURES

➢ JSP Expression Language
➢ Implicit Objects in Expression Language
➢ Expression Language with Java Collections
➢ Expression Language with Nested Bean Properties
➢ Tag Libraries
➢ Using Custom Tags

SECTION 8 : ENTERPRISE JAVA BEANS (EJB)

➢ The Challenge of N-Tier Development
➢ Introduction to EJBs
➢ Session EJBs
➢ Naming and Directory Services

- ➢ Entity EJBs
- ➢ Transactions and Persistence
- ➢ Java Message Service

Real-time Practicals

1. *Get the Account number, customer name, deposit amount from user and store the value in Database and return the Account Balance to user using EJB.*

SECTION 9 : PATTERNS, JAVA MAIL AND WEB SERVICES

- ➢ Java Mail API
- ➢ Patterns
- ➢ Integrating with External Resources
- ➢ SOAP and REST web services

Real-time Practicals

1. *Write a program to send Email through Gmail Server with SSL.*

Contact Info

+91 9884412301 | +91 9884312236

Know more about **JAVA J2EE**

info@credosystemz.com

New # 30, Old # 16A, Third Main Road, Rajalakshmi Nagar, Velachery, Chennai (Opp. to MuruganKalyanaMandapam)

BOOK A FREE DEMO

Web : www.credosystemz.com