

# Advanced Java Course Curriculum

## **JDBC**

- Introduction
- Jdbc Architecture
- Types of Drivers
- Statement
- ResultSet
  - Read Only ResultSet
  - Updatable ResultSet
  - Forward Only ResultSet
  - Scrollable ResultSet
- PreparedStatement
- Connection Modes
- SavePoint
- Batch Updatations
- CallableStatement
- BLOB & CLOB

## **SERVLETS**

- Introduction
- Web application Architecture
- Http Protocol & Http Methods
- Web Server & Web Container
- Servlet Interface
- GenericServlet

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- HttpServlet
- Servlet Life Cycle
- ServletConfig
- ServletContext
- Servlet Communication
- Servlet-Browser communication
  - sendError
  - setHeader
  - sendRedirect
- Web-component Communication
  - Forward
  - Include
- Session Tracking Mechanisms
  - HttpSession
  - Cookies
  - URL-Rewriting
  - Hidden-Form Fields
- Filters & Wrappers
- Listeners
- Web-Security

### **III.JSP**

- Introduction
- Jsp LifeCycle
- Jsp Implicit Objects & Scopes
- Jsp Directives
  - page
  - include
  - taglib

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- Jsp Scripting Elements
  - declaratives
  - scriptlets
  - expressions
- Jsp Actions

### **Standard Actions**

- useBean tag
- setProperty tag
- getProperty tag
- include tag
- forward tag
- param tag
- plug-in tag
- params tag
- fallback tag
- directives tag
- scriptlet tag
- expression tag
- Custom Actions
- Classic Tags
- Simple Tags
- JSTL & Tag Library
- IDE
- MyEclipse
- Eclipse

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## **SERVERS**

- Tomcat
- Weblogic
- JBOSS

## **VI.DATABASE**

- Oracle