JAVA SYLLABUS

Hi Folks,

Oranium Tech introducing some amazing content on Java. Java Training in Chennai aims to acquire proficiency in developing various java-based web applications. Oranium Tech provides integral course materials with hands-on Java training for a thorough learning experience. Our expert trainers provide extensive knowledge on a number of concepts like Java Array, Threads, Exception handling, JSP, XML handling, Operators, Loops, Collections, Servlets, and Database Connectivity. During this program, you will gain a solid understanding of the most widely used Java frameworks, such as Spring, Hibernate, and Struts, under the guidance of certified Java experts. Oranium Tech incorporates various real-time projects, case studies and workshops into our Java Course in Chennai to set your career off on the right foot.

Core JAVA

- Introduction,
- Data types and Variables,
- Operators and Expressions,
- Control Flow Statements,
- Methods,
- Object-Oriented,
- Programming,
- Objects and Classes,
- Using Java Objects,
- Inheritance in Java,
- Exception Handling,
- Input/Output Streams,
- Collection Framework,
- Inner Classes,
- Introduction to Threads,
- Interfaces and Abstract Classes,
- Serialization,
- Generics,
- Annotations,
- Reflection

Servlet

- HTML Forms Servlets
- Overview Servlet Lifecycle:
- init(),
- service(),
- destroy()
- GenericServlet,
- ServletRequest,
- ServletResponse HttpServletRequest,
- HttpServletResponse
- HttpServlet Request-response,
- headers,
- GET,
- POST

Java Beans

- Enterprise Bean overview
- Types of enterprise beans
- Advantages of enterprise beans
- The Life Cycles of Enterprise Beans
- Working with Session Beans
- Statefull vs. Stateless Session Beans
- Working with Entity Beans Message Driven Beans

Database and SQL Fundamentals

- Relational Databases and SQL Database,
- Schema,
- Tables,
- Columns and Rows
- DDL & DML Sequences ,
- Stored Procedures Using SQL Terminals

JavaServer Pages

- Overview JSP architecture ,
- JSP tags and JSP expressions Fixed Template Data ,
- Lifecycle of a JSP Model View Controller (MVC)
- Model 1/Model 2 Architecture Data Sharing among servlets
- JSP Request,

- application,
- session
- and
- page scope JSP implicit objects

Struts Framework

- What is Struts?
- Struts Architecture Struts classes –
- ActionForward,
- ActionForm,
- ActionServlet,
- Action classes
- Understanding struts-
- config.xml
- Understanding Action Mappings Struts flow with an example application
- Struts Tiles Framework
- Struts Validation Framework
- Internationalizing Struts Application
- Struts with Message Resources

JDBC

- JDBC Fundamentals
- Advanced JDBC
- Introduction to Row Sets
- JDBC classes and
- the java.sql Connecting to databases JDBC design patterns

Other J2EE Technologies

- Hibernate
- Spring framework JSF
- Web services
- SOA,
- SOAP,
- AXIS,
- WSDL,
- UDDI,
- Endpoint &
- Callback AJAX

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All The Best

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