



Ishnira Technologies Pvt. Ltd.

219, 4th Main, Above Banashankari Bakery Singasandra,

Hosur main Road Bangalore Karnataka – 560068

Website – www.ishnira.com

❖ Core Java Programming

❖ Introduction to Java programming

- The Java Virtual Machine
- Variables and data types
- Conditional and looping constructs
- Arrays

❖ Object-oriented programming with Java Classes and Objects

- Fields and Methods
- Constructors
- Overloading methods
- Garbage collection
- Nested classes

❖ Inheritance

- Overriding methods
- Polymorphism
- Making methods and classes final
- Abstract classes and methods
- Interfaces

❖ Exception handling with try-throw-catch-finally constructs

- The Exception class

❖ The Object class

- Cloning objects
- The JDK LinkedList class
- Strings
- String conversions

❖ Working with types: Wrapper classes

- Enumeration interface

❖ Packages

- Package access
- Documentation comments

❖ Threads

- Synchronization

❖ The I/O Package

- InputStream and OutputStream classes
- Reader and Writer classes

❖ Database connectivity with JDBC

- Java security

❖ Advanced Java Programming (J2EE)

Web-Server & support Technologies

❖ Java Database Connectivity

- Types of Drivers
- Two-Tier Client/Server Model
- Three-Tier Client/Server Model
- Basic Steps of JDBC
- Creating and Executing SQL Statement
- The Result Set Object
- Working with Database MetaData
- Interface

❖ Servlets

- Servlet Interaction & Advanced Servlets
- Life cycle of Servlet
- Java Servlet Development Kit
- Javax.servlet package
- Reading Servlet Parameters
- Reading Initialization Parameters
- The javax.servlet.http Package
- Handling HTTP

❖ JavaServer Pages

- JSP Technologies
- Understanding the Client-Server Model
- Understanding Web server software
- Configuring the JSP Server
- Handling JSP Errors
- JSP Translation Time Errors
- JSP Request Time Errors
- Creating a JSP Error Page

❖ EJB

- Types of EnterpriseJava beans
- Session Bean & Entity Bean
- Features of Session Bean
- Life-cycle of Stateful Session Bean
- Features of Entity Bean
- Life-cycle of Entity Bean
- Container-managed Transactions &
- Bean-managed Transactions
- Implementing a container-managed Entity Bean

❖ XML

- What is XML?
- XML Syntax Rules

❖ Struts

- Introduction to the Apache Struts
- MVC Architecture
- Struts Architecture
- How Struts Works?
- Introduction to the Struts Controller
- Introduction to the Struts Action Class
- Using Struts ActionFrom Class
- Using Struts HTML Tags
- Introduction to Struts Validator Framework
- Client Side Address Validation in Struts
- Custom Validators Example
- Developing Application with Struts Tiles

❖ Hibernate

- Introduction to Hibernate 3.0
- Hibernate Architecture
- First Hibernate Application

❖ Spring MVC

❖ Introduction to Spring

❖ Spring Core (Basic Concepts)

❖ Spring Core (Advanced Concepts)

❖ Spring AOP

❖ Spring Tx

❖ Spring JDBC

❖ Spring MVC