

COLLECTION FRAMEWORK

- Introduction of Collection Framework
- Interfaces & Classes Of Collection Framework
- Introduction of List Interface
- Use of ArrayList & LinkedList Class
- Introduction of Set Interface
- Use of TreeSet & HashSet Class
- Introduction of Map Interface
- Use of TreeMap and HashMap
- Importance Of Collection Frame Work in Project Development

DATABASE CONNECTIVITY

- Concepts of JDBC
- Types Of JDBC Driver
- Connecting with Different Databases
- Basics of HTML & making Simple Web pages

JSP & SERVLETS

- Introduction of Servlet
- Servlet Implementation & Configuration
- Introduction of IBM Web server, Sun GlassFish, Apache Tomcat, Oracle Weblogic
- Introduction to IDE(Integrated Development Environment) like: Eclipse,NetBeans(Open source project).
- Introduction of JSP

STRUTS 2.X

- Introduction Of MVC Design Pattern
- Introduction of Struts2
- Struts2.x Architecture
- Introduction of Component of Struts 2 like: Action, Results & Interceptors
- Heart of Struts2.x i.e Interceptor
- Object Graph Navigation Language(OGNL)
- Struts 2 Tags i.e: Presentation Tags

JNDI

- Concept of JNDI
- JNDI Overview Structure ,Application
- JNDI Overview Structure ,Application with Examples

EJB (Enterprise Java Bean) (EJB 3.0)

- Java Persistence API

- Introduction
- Architecture

Types of EJB

1. Session Beans

- Introduction
- State Management
- Life Cycle
- Types
 - Stateless
 - Statefull

2. Entity Beans

- Introduction
- Persistence
- Life Cycle
- Types
 - Contained Managed Persistence(CMP)2.0
 - Introduction
 - Primary Key Class
 - EJB Methods
 - EJB QL
 - Syntax
 - Clauses
 - Bean Managed Persistent(BMP)
 - Introduction
 - Implementation
 - EJB Relationship

3. Message Driven Beans

- Message Overview
- Message Models
 - Point to point Model
 - Topic Subscriber Model
- JMS Implementation

Project work is mandatory after the completion of the training program.

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