



ADVANCED JAVA

Database Programming:

- JDBC overview
- SQL- Structured Query Language
- JDBC Programming Concepts
- Query Execution
- Scrollable and Updatable Result Sets
- Working with Statements
- Row Sets
- Batch Updates
- Calling stored procedures and functions
- ResultSetMetaData
- Transactions

Getting Started with Web Applications:

- Web Application Life Cycle
- Web Modules
- Configuring Web Applications
- Accessing Databases from Web Applications
- Jar, war and ear
- Webserver & Application Server
- HTML
- Javascript

Java Servlet Technology:

- Servlets overview
- Servlet Life Cycle
- Sharing Information
- Initializing a Servlet
- Writing Service Methods
- Filtering Requests and Responses
- Invoking Other Web Resources
- Accessing the Web Context
- Session tracking and management

Java Server Pages Technology:

- JSP overview
- The Life Cycle of a JSP Page
- Declarations, Scriptlets, Expressions
- JSP Action tags

- Directives
- JSP implicit objects
- Scope in JSP
- Ajax
- HTML
- JavaScript

Java Server Pages Standard Tag Library:

- Using JSTL
- Core Tag Library

Enterprise JAVA Beans:

- Enterprise Bean overview
- Types of enterprise beans
- Advantages of enterprise beans
- The Life Cycles of Enterprise Beans
- Working with Session Beans
- Statefuls vs. Stateless Session Beans
- Working with Entity Beans
- Bean Managed Persistence/Container Managed Persistence entity beans

JAVA Messaging Service (JMS):

- Overview
- JMS architecture
- Messaging models
- Point-to-Point
- Publish/subscribe
- JMS API

Message-Driven Beans:

- Overview
- The Message-Driven Bean Class
- Life cycle of Message Driven Bean