

Introduction

- Why Java
- Paradigms
- Diff B/W Java & Other (C,C++)
- Java History
- Java Features
- Java programming format
- Java Statements
- Java Data Types

OOPS (Object Oriented Programming & Systems)

- Introduction
- Object | Constructors
- This Key Word
- Inheritance | Super Key Word
- Polymorphism (Over Loading & Over Riding)
- Abstraction | Interface
- Encapsulation
- Introduction to all predefined packages
- User Defined Packages
- Access Specifiers

STRING Manipulation

- String
- String Buffer

Array

- What is Array
- Single Dimensional Array

- Multi Dimensional Array
- Sorting of Arrays

Exception Handling

- Introduction
- Pre Defined Exceptions
- Try-Catch-Finally
- Throws, throw
- User Defined Exception examples

I/O Streams

- Introduction
- Byte-oriented streams
- Character – oriented streams
- File

Multithreading

- Introduction
- Thread Creations
- Thread Life Cycle
- Life Cycle Methods
- Synchronization
- Wait() notify() notify all() methods

Wrapper Classes

- Introduction
- Byte, Short, Integer, Long, Float, Double, Character
- Boolean classes

Inner Classes

- Introduction
- Member Inner Class
- Static Inner Class

TRAINING AND SERVICES

- Training By Corporate Trainers
- Coding Explanation & Implementation
- Project Support
- Real Time Expose
- Internship Certification & Report
- 100% Placement Assistance

- Local Inner Class
- Anonymous Inner Class

Collection Frame Work

- Introduction
- Util Package interfaces, List, Set, Map
- List Interface & Its Classes
- Set Interface & Its Classes
- Map Interface & Its Classes

AWT

- Introduction
- Components
- Event-Delegation-Model
- Listeners
- Layouts
- Individual Components Label, Button, Check Box, Radio Button,
- Choice, List, Menu, Text Field, Text Area

SWING (JFC)

- Introduction Diff B/W AWT and SWING
- Components hierarchy
- Panes
- Individual Swings components J Label
- JButton, JTextField, JText Area

J2EE Course Syllabus

Introduction to Enterprise Edition

- Distributed Multitier Applications
- J2EE Containers
- Web Services Support
- Packaging Applications

- J2EE 1.4 APIs

Web Server and Application Server

- Tomcat-Introduction
- installation, Configuring Tomcat
- Jboss server-Introduction
- Overview, installation and Configuration
- Comparison

SQL

- Basics of SQL queries
- SQL Joins

JDBC

- Introduction
- JDBC Architecture
- Types of Drivers
- Statement
- Result Set

Servlets

- Introduction
- Web application Architecture
- HTTP Protocol & HTTP Methods
- Web Server & Web Container
- Servlet Interface
- HTTPServlet
- GenericServlet
- Servlet Life Cycle
- Servlet Config
- Servlet Context
- Servlet Communication

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Session Tracking Mechanisms

- Http Session
- Cookies
- URL-Rewriting
- Hidden-Form Fields
- Filters & Wrappers
- Listeners
- Web-Security

JSP

- Introduction
- JSP LifeCycle
- JSP Implicit Objects & Scopes
- JSP Directives

Jsp Scripting Elements

- declaratives
- Scriptlets
- expressions

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

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