

Java Training

Building or rewriting a system completely in Java means starting from the scratch. We engage in the seamless and stable operations of Java technology to deliver innovative and functional applications for enterprises as well as tiny applications for mobile devices. Our development approach is founded on solid system principles and supports real object oriented Java development.

We have succeeded remarkably in providing this exciting technology to enterprises in their attempts to remain competitive and flexible. It has been an eternity since we came into the scene, we still bring with us, the freshness of approach and creativity and that enables our developers builds multi-tiered applications, inter-operable features and above all comprehensive security.

With the expertise of handling vast business-oriented development projects, we proffer a flexible, efficient and cross-platform technological basis for rapid enterprise application development.

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JAVA

Introduction of Java

Java - What, Where and Why? , History and Features of Java, Internals of Java Program, Difference between JDK,JRE and JVM, Naming Convention ,How to Get Java, A First Java Program, Compiling and Interpreting Applications.

Data types and Variables

Primitive Data types , Declarations and Non primitive Data types

Operators and Expressions

Expressions, Assignment Operator, Arithmetic Operators, Relational Operators, Logical Operators , Increment and Decrement Operators, Conditional Operator , Operator Precedence, Implicit Type Conversions , Cast Operator.

Control Flow Statements

Statements, Conditional (if) Statements , Adding an else if, Conditional (switch) Statements, While and do-while Loops , for Loops , Enhanced for Loop, break and continue.

Methods

Methods, Calling Methods, Defining Methods , Method Parameters, Scope, Method Parameters

Object-Oriented Programming

Introduction to Object-Oriented Programming , Classes and Objects, Fields and Methods, encapsulation , Access Control, Inheritance, Polymorphism

Objects and Classes

Defining a Class , Creating an Object, Instance Data and Class Data, Methods , Constructors Access Modifiers , Parameter Passing, Comparing and Identifying Objects

String Handling

What and Why? , String Comparison , String Concatenation, Substring, StringBuffer class, StringBuilder class, toString method, StringTokenizer class

Inheritance in Java

Inheritance , Inheritance in Java, Method Overriding, Polymorphism, super

Packages

Import Statement , Defining Packages, Package Scope

java.lang

String class, Math, Wrapper classes, StringBuffer ,Exceptions Overview, Catching Exceptions, The finally Block, Exception Methods

Declaring Exceptions , Defining and Throwing Exceptions, Errors and Runtime Exceptions

Introduction, Creating Threads, The Life Cycle of a Thread, Thread Methods, Using Threads, Synchronization of Threads,

Java.util Package

Introduction to collection class and system class with examples on List, Set, ArrayList
LinkedList, Vector, Stack, Date etc..

Input/output Streams

Overview of Streams , Bytes vs. Characters, Converting Byte Streams to Character Streams,
File Object Binary Input and Output, PrintWriter Class , Reading and Writing Objects

JAVA Applets

Introduction, Applet Examples, The java.applet.Applet Class, The Five Stages of an Applet's
Life Cycle, Methods for Adding UI Components, Methods for Drawing and Event Handling,

Advanced Java

Networking

JDBC Connectivity

RMI

JavaBeans

Java Servlets

JSP Syllabus

JSP –Architecture

JSP- Syntax

JSP-Directives

JSP-Actions

Implicit Objects

Client Request

Server Response

Form Processing

Session Tracking

File Uploading

Page Redirect

Database Connectivity

DBMS operations with JSP

Integrate Database with Eclipse and Net Beans IDE

Guidance for developing project on JSP

