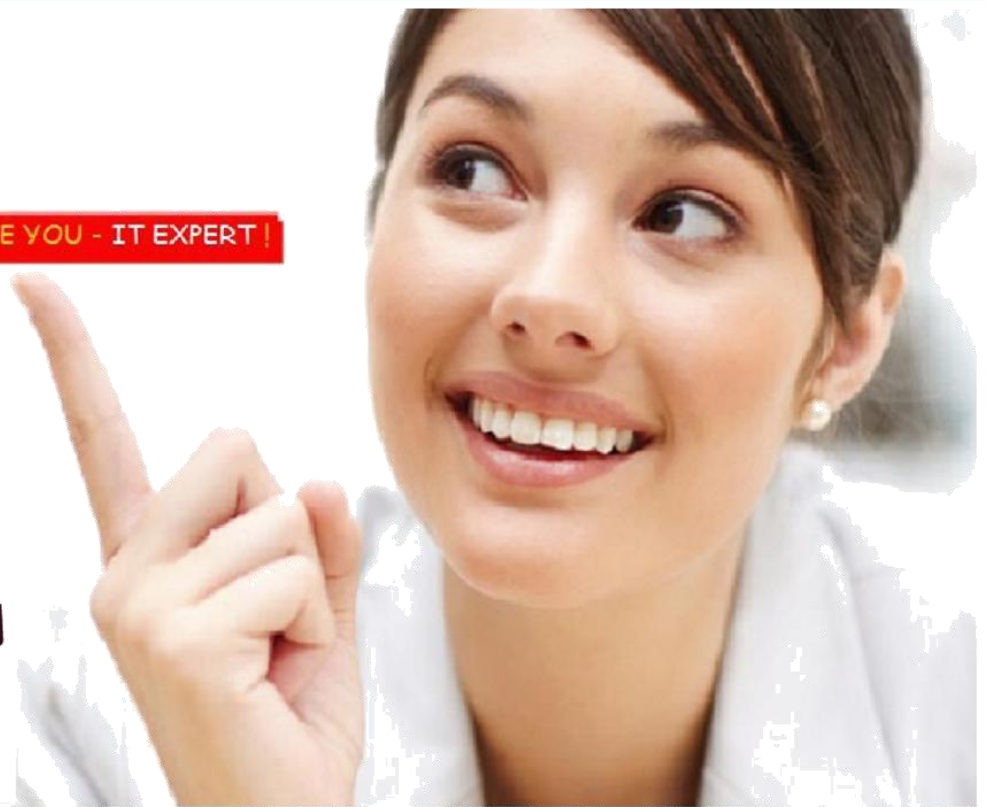


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OUR PROFILE

IT SPARK : THINK INNOVATIVE

JAVA Training Overview (For Demo Classes Call Us +91 - 9990173465)

IT SPARK - is one of the well-known and best institutes that provide Java training courses. Working professionals from MNC's associated with the institute are experts in their field providing practical knowledge to their students in learning Core Java and Advanced Java. The core java training program is specially designed for the IT students who want to learn all aspects of this Java from the basics. If you want to excel your career in Java profile, after completing the core java training courses from IT SPARK, you can explore new heights of technologies in Java on your own.

One successful completion of the Core & Advanced Java training courses designed by IT SPARK, students will be able to easily understand the Java based technology. We do not launder money like other training institutes differentiating between core java and advance java our syllabus covers both of them in the lowest fees in industry as our motive is sheer passion to deliver true knowledge - that is what VIA's motto is Only knowledge counts.

JAVA Training Objectives - All Students will learn to:

- # Build live apps develop strong portfolio and get assistance in job with our corporate hiring partners.
- # Our Experts will teach you from the basics and makes sure that learning becomes fun.
- # Learn from your personal mentor. Get live lessons, help and guidance from top Android professional.
- # No one learns from videos. Learn android concepts by writing code & gain confidence to crack interviews.
- # Flexible plans. Pick the plan that suits your schedule.

JAVA TRAINING: COURSE CONTENT

Core Java

Introduction

- ✓ What is java?
- ✓ Why Java?
- ✓ Role of Java Programmer in Industry
- ✓ Features of Java Language
- ✓ JVM –The heart of Java
- ✓ Java's Magic Bytecode

Language Fundamentals

The Java Environment

- ✓ Installing Java (JDK, JRE)
- ✓ Java Program Development
- ✓ Java Source File Structure
- ✓ Compilation
- ✓ Execution

Basic Language Elements

- ✓ Identifiers, Modifiers
- ✓ Keywords, Comments
- ✓ Operators, Loops
- ✓ Conditional Statements
- ✓ Defining Package
- ✓ CLASSPATH Setting for Packages
- ✓ Import a package
- ✓ Naming Convention for Packages and Class

Programming

- ✓ Class Fundamentals
- ✓ Object & Object reference
- ✓ Creating and Operating Objects
- ✓ Variables and data types
- ✓ Constructor & initialization code block.
- ✓ Methods, Defining Methods
- ✓ Argument Passing Mechanism
- ✓ Use of "this" keyword
- ✓ Working of Main method
- ✓ Command line argument
- ✓ System.out.println

Inheritance means Extending Classes

- ✓ Concept of Inheritance and Need of Inheritance
- ✓ Use and Benefits of Inheritance in OOP
- ✓ Inheriting Data Members and Methods
- ✓ Role of Constructors in inheritance
- ✓ Type Compatibility and Conversion
- ✓ Implementing Interfaces

Some Important Topics in java

- ✓ Abstract Class & Interfaces
- ✓ Overloading, Overriding
- ✓ Dealing with Static Members
- ✓ Single Copy Concept of Static
- ✓ Garbage Collection
- ✓ Finalize () Method
- ✓ Var Argument
- ✓ Wrapper Classes
- ✓ Enumeration
- ✓ Inner Classes
- ✓ Generalization
- ✓ Tokenization
- ✓ Single Ton Pattern
- ✓ Decorator Pattern

OOPs Concepts

- ✓ Object Orientation
- ✓ Abstraction
- ✓ Encapsulation
- ✓ Inheritance
- ✓ Polymorphism

Array

- ✓ Defining an Array
- ✓ Types of Array
- ✓ Initializing & Accessing Array
- ✓ Array of Arrays

- ✓ Anonymous Array

String

- ✓ Constant Pool
- ✓ Immutability in String
- ✓ Operation on String
- ✓ String Buffer
- ✓ String Builder

Exception Handling

- ✓ The Idea behind Exception
- ✓ Types of Exceptions
- ✓ Exceptions & Errors
- ✓ Control Flow in Exceptions
- ✓ JVM reaction to Exceptions
- ✓ Use of try, catch, finally, throw, throws in Exception Handling.
- ✓ In-built and User Defined Exceptions
- ✓ Assertion
- ✓ Some new features add-on in Java 7

Thread

- ✓ Understanding Threads
- ✓ Thread Life-Cycle
- ✓ Runnable Interface
- ✓ Defining, Instantiating, and
- ✓ Starting Threads
- ✓ Thread Priorities
- ✓ Synchronization
- ✓ Inter Communication of Threads
- ✓ Critical Factor in Thread DeadLock
- ✓ Some new features add-on in Java 7

Input/Output, File Handling (java.io Package)

- ✓ Streams and the new I/O Capabilities
- ✓ Understanding Streams
- ✓ The Classes for Input and Output
- ✓ The Standard Streams
- ✓ Working with File Object
- ✓ File I/O Basics
- ✓ Reading and Writing to Files
- ✓ Buffer and Buffer Management
- ✓ Read/Write Operations with File Channel
- ✓ Console and Scanner Classes
- ✓ Serialization
- ✓ Some new features add-on in Java 7

Java Utilities (java.util Package)

The Collection Framework

- ✓ Collections of Objects
- ✓ Collection Types
- ✓ Use of collection
- ✓ Set
- ✓ List
- ✓ Queue
- ✓ Map
- ✓ Comparable and comparator Interfaces
- ✓ Creating your own collection
- ✓ Generic and Generic Collection

Event Handling

- ✓ Event- Handling Process
- ✓ Event-Handling Mechanism
- ✓ The Delegation Model of Event Handling
- ✓ Event Classes
- ✓ Event Sources
- ✓ Event Listeners
- ✓ Anonymous Inner classes a Short –cut to Event Handling
- ✓ Event Types & Classes

Data Base Programming using JDBC

- ✓ Introduction to JDBC
- ✓ JDBC Drivers & Architecture
- ✓ Statements
- ✓ Glob and Blob

PART-2 (J2EE)

Fundamentals of J2EE

- ✓ What is J2EE?
- ✓ What is server application?
- ✓ Server (Apache)
- ✓ Container (Tomcat)
- ✓ Why needed a browser in server application?

Servlet

- ✓ What is Servlet?
- ✓ Life Cycle of servlet
- ✓ HTTP Servlet
- ✓ Generic servlet
- ✓ Do Get and Do Post
- ✓ What is Session and Session Object?
- ✓ Dispatcher and Send Redirect
- ✓ Cookie, URL Rewriting, Listener
- ✓ Filter and Mappings

JSP (Java Server Pages)

- ✓ What is JSP?
- ✓ Life Cycle of JSP
- ✓ Various tags in JSP
- ✓ Use Bean tag in JSP
- ✓ EL Expression
- ✓ JSTL (Java Standard Tag Libraries)
- ✓ Custom Tag

PART-3 (Frameworks)

Struts

- ✓ What are application frameworks?
- ✓ Why we need frameworks?
- ✓ Why we need Struts?
- ✓ Struts Models and MVC
- ✓ Struts control flow and architecture
- ✓ Dao Pattern, Default stack

- ✓ Interceptors, Mappings
- ✓ Struts APIs

Hibernate

- ✓ What is persistence?
- ✓ Object Relational Mapping
- ✓ Understanding the architecture
- ✓ "Hello World" with Hibernate
- ✓ Mapping persistent classes
- ✓ Transaction, Concurrency, Caching
- ✓ Advance mapping concepts
- ✓ Writing Hibernate application
- ✓ ORM implementation strategies

Spring

Core Spring

- ✓ Springing into Action
- ✓ Basic Bean writing
- ✓ Advanced Bean writing
- ✓ Advising Beans

Enterprise Spring

- ✓ Hitting the database
- ✓ Managing transactions
- ✓ Securing Spring
- ✓ Spring messaging
- ✓ Spring and Enterprise Java Beans
- ✓ Accessing Enterprise Services

Client-Side Spring

- ✓ Handling web requests
- ✓ Rendering web views
- ✓ Using Spring web flow
- ✓ Integrating with other web framework

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- J2EE
- .NET TECHNOLOGY
- SQT
- SAS
- SEO / SMO / SEM
- DATAWARE HOUSING
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- C/C++ LANGUAGE
- ORACLE SKILL SET
- SYNON
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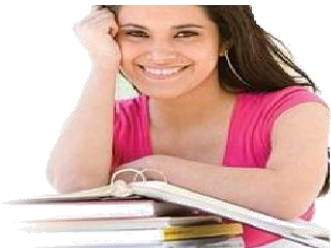
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