



CORE JAVA COURSE CONTENT

Introduction to JAVA

Deep Infotech's provides a fully practical oriented Java training to its students ,where a student would be able to learn various object oriented concept,looping concepts,classes and object concepts, packages and graphical components using AWT concepts

MODULES COVERED IN THE

Module 1: Introduction to Java

- Introduction to Java and its features
- Setting up the Java development environment (JDK, IDE)
- Java syntax and basic program structure
- Data types, variables, and operators

Module 2: Control Flow and Decision Making

- Control structures (if-else, switch-case)
- Loops (for, while, do-while)
- Break and continue statements

Module 3: Object-Oriented Programming (OOP) Basics

- Introduction to OOP concepts (classes, objects, methods)
- Encapsulation, inheritance, and polymorphism
- Constructors and method overloading
- Understanding Java packages and access modifiers

Module 4: Working with Classes and Objects

- Creating and using classes and objects
- Instance and static variables and methods
- Method overriding and inheritance

- Abstract classes and interfaces

Module 5: Exception Handling

- Handling exceptions in Java
- Try-catch blocks and multiple catch clauses
- Throwing and creating custom exceptions

Module 6: Arrays and Collections

- Working with arrays (single-dimensional and multi-dimensional)
- Understanding the Java Collection Framework
- Lists, Sets, and Maps
- Iterating over collections and using iterators

Module 7: File Handling and I/O Operations

- Reading from and writing to files in Java
- File input/output streams
- Exception handling with file operations

Module 8: Strings and Regular Expressions

- String manipulation in Java
- String concatenation, formatting, and comparison
- Regular expressions and pattern matching

Module 9: Java Generics

- Introduction to generics
- Using generic classes, methods, and interfaces
- Type bounds and wildcards

Module 10: Multithreading

- Understanding threads and concurrency
- Creating and running threads
- Synchronization and thread safety
- Inter-thread communication and synchronization mechanisms

Module 11: Project Development

- Applying the learned concepts to develop a Java application
- Implementing best practices and coding standards
- Testing, debugging, and deploying the project

Java Training Schedule

Regular Batch (Monday to Friday), Timings: Morning & Evening shift

Weekend Training Batch also available on Saturday, Sunday & Holidays

Student Benefits

- Hands on Project Experience exposures in the Lab session
- Real Time case studies to practice
- Free Technical Support after Course Completion
- Back up Classes Available
- LAB Facility
- Free Wifi to learn subject
- Latest Study Material

Our Trainers

- More than 10 Years of experience in PHP Technologies
- Has worked on multiple realtime PHP projects
- Strong Theoretical & Practical Knowledge

Our Java Placements / Training Records in Lucknow

- Placement Assistance
- 92% percent Placement Record

Course Duration : 2 months

Mini Project : Project would be allotted to a student which has to be submitted with project documentations and reports. Viva would be conducted for the project for successfully completion of the course.

CONTACT US

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