

Java Axis

Mastering Core Concepts



- 3 Days Free Trail Session
- 60 Live Interactive lectures
- 150+ hands-on exercises



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More Information

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COD  **MANTRA**

JAVA PROGRAMMING

Level - 1 | Language Fundamentals

- Java- What Where And Why?
- History And Features Of Java
- Internals Of Java Program
- Difference Between Jdk,jra And Jvm
- Variable And Data Type
- Unicode System/ Naming Convention
- Environment Setup
- Compilation And Execution Of Program
- For-each Loop
- Var-arg Function
- Labeled Break / Continue
- Command Line Argument
- User Inputs In Java { Scanner Class }
- Array In Java

Level - 2 | Object Oriented Programming

- Paradigms Of OOP
- Advantages Of OOPS
- Object And Class
- Representation Of Object In Memory
- Instance & Class Members
- Encapsulation, Data Hiding & Binding
- Method Overloading
- Static Variable, method And Block
- This Keyword
- Inheritance (Is -a)
- Aggregation And Composition (Has - A)
- Method Overloading
- Covariant Return Type
- Super Keyword / Final Keyword
- Runtime Polymorphism
- Abstract Class And Interface
- Package And Access Modifiers
- Object Class In JAVA

Level - 3 | String Handling

- String: What And Why?
- Immutable String
- String Comparison / String Concatenation
- Method Of String Class
- String Buffer Class / String Tokenizer Class

Level - 4 | Exception Handling

- Exception Handling: What And Why?
- Checked & Unchecked Exception
- Exception Class Hierarchy
- Try And Catch Block
- Throws
- Keyword
- Finally Block / Throw Keyword

Level - 5 | Multithreading

- Multithreading: What And Why?
- Life Cycle Of Thread/ Creating Thread
- Thread Scheduler
- Joining A Thread / Thread Priority
- Garbage Collection / Runnable Class
- Synchronization: What And Why?
- Synchronized Method

Level - 6 | Java I/O Package

- File Class
- Byte Stream Vs Char Stream
- File Output Stream & File Input Stream
- Buffered Output And Input Stream
- File Writer And File Reader
- Data Input Stream And Data Output Stream
- Stream Tokenizer Class

Level - 7 | Collection Framework

- What Is Generics
- Generics Class And Method
- What Is Collection Framework
- Arraylist Class /linkedlist Class
- Hashset / Linkedhashset / Treaset Class
- Map Interface / Hasmap / Hastable Class

Level - 8 | Java Annotations

- What Is Annotation
- Java Annotation Like
- @override
- @suppresswarings
- @deprecated
- @inherited
- @documented
- Java Custom Annotations
- Types Of Annotations

Level - 9 | Other New Features

- Lamba Function
- Wrapper Classes
- Private Method In Interface
- Jshell
- Local-variable Type Inference Var-keyword
- Run Source Files
- Switch Expression { Return Value }