

Real Time Java

1. Introduction to Java
 - 1.1. Evolution of Java
 - 1.2. Java Development Kit (JDK)
 - 1.3. Java Runtime Environment (JRE)
 - 1.4. Java Virtual Machine (JVM)
2. Java Environment Setup
3. Features of Java
4. Variables and Datatypes in Java
5. Modifiers
 - 5.1. Access Modifiers
 - 5.2. Non Access Modifiers
6. Examples & Operators
 - 6.1. Casting
 - 6.2. Order of operators
 - 6.3. Precedence order
 - 6.4. Associativity
 - 6.5. Precedence and associativity of Java operators
 - 6.6. Order of evaluation of subexpressions
 - 6.7. Short circuiting
 - 6.8. Precedence order gone awry
7. Control Flow Statements
 - 7.1. Selection Statements
 - 7.1.1. The if statement:
 - 7.1.2. The if-else Statement:
 - 7.1.3. The switch statement:
 - 7.2. Iteration Statements
 - 7.2.1. The while Loop:
 - 7.2.2. Do-while Loop
 - 7.2.3. For Loops
 - 7.3. Transfer Statements
 - 7.4. Continue & Break Statement:
8. Object Oriented Programming System (OOPS) in Java
 - 8.1. Class
 - 8.2. Constructors
 - 8.3. This key word
 - 8.3.1. This keyword with field (Instance Variable)
 - 8.3.2. Example of Variable Hiding
 - 8.4. Inheritance
 - 8.5. IS-A Relationship
 - 8.6. Type casting between objects
 - 8.6.1. instanceof operator
 - 8.6.2. getClass() method
 - 8.7. Abstract Class
 - 8.7.1. Abstract method
 - 8.7.2. Abstract class having constructor, Data member, Methods etc
 - 8.7.3. Usage of abstract classes
 - 8.8. Polymorphism
 - 8.8.1. Method Overloading
 - 8.8.2. Method Overriding
 - 8.8.3. Overloading vs Overriding in Java
 - 8.9. Interface
 - 8.9.1. Marker Interfaces
 - 8.9.2. Abstract Class vs Interface
 - 8.10. Abstraction
9. Exception Handling
 - 9.1. Exception Hierarchy
 - 9.2. Exception execution flow
 - 9.3. Exception Handling Mechanism
 - 9.4. Improvement Exception handling in Java 7
 - 9.5. Exception Handling Best Practices
10. Enumerations
11. Collection Framework
 - 11.1. Benefits of the Java Collections Framework
 - 11.2. Collection classes hierarchy:
 - 11.3. The Collection Interface
 - 11.4. List & Queue
 - 11.5. Set & Map
12. Java I/O Operations
 - 12.1. Standard Streams
 - 12.2. Byte Stream Classe
 - 12.3. Hierarchey of InputStream & OutputStream Classes
 - 12.4. Character Stream Classes
 - 12.5. Serialization
13. Threads
 - 13.1. Thread Life Cycle
 - 13.2. Thread Priority
 - 13.3. Thread creation
 - 13.4. Difference between Extends and Implement Thread
 - 13.5. Callable Interface
14. Reflection
16. Features of Java 8
 - 16.1. Introduction to functional programming
 - 16.2. Functional Interfaces & Lambda Expressions
 - 16.3. Method References
 - 16.4. Default & Static Methods
 - 16.5. Java Stream API
 - 16.6. Collection API Improvements
 - 16.7. Concurrency API Improvements
 - 16.8. Java I/O improvements
 - 16.9. Java Time API
 - 16.10. Use of Optional class
17. Using third party libraries
18. Using Build tools
 - 18.1. Maven
 - 18.2. Graddle



LiveTech Hyderabad Office Infrastructure



LiveTech Bangalore Office Infrastructure



1000+ Recruitment Partners



LiveTech

Testing Tools Training & Placements
Java Training & Placements
Overseas Education Consultants

Hyderabad Office

#302, 3rd Floor, Imperial Towers
Above South India Shopping Mall
Ameerpet, Hyderabad - 500016.
Mobile: +91-9000008814



Bangalore Office

#90/2, 3rd Floor, Kishan Icon
Near Innovative Multiplex
Marathahalli, Bangalore-560037.
Mobile: +91-9071200008