

CORE JAVA

→ Introduction of JAVA

- JDK, JVM, JRE, JIT
- Architecture of JVM
- Types of Class Loader
- Java on Linux Platform
- New Feature of JDK1.7
- Diff between Jdk 1.0-Jdk 1.7

→ Variables and Methods

- Data types ,Keyword
- Identifiers
- Java Code Convention Rule
- Source File Declaration Rules
- Enum
- Methods,Java Bean Standards
- Variable argument list
- Legal return values

→ Implementation of OOPS

- Class & Objects
- Access Specifiers
- Constructor and its Type
- Overloading and Overriding
- Inheritance and Polymorphism
- Static import
- Types of Class
- Abstract Class & Interface
- Garbage collector
- Instance of Operator

→ Package

- Introduction
- Types of Package
- Nested Package
- Package execution by JAR FILE

→ Exception Handling

- Introduction
- Hierarchy of Exception
- Exception Handling Keyword

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→ String Handling

- Introduction
- String
- StringBuffer
- StringBuilder

→ JFC (JAVA Foundation Classes)

- Introduction
- AWT Classes
- Applet
- Applet Life Cycle
- SWING
- Adapter Classes
- Event Handling

→ Multithreading

- Introduction
- Methods of Thread Class
- Runnable Interface
- Thread Pool
- Thread Synchronisation
- Deadlock
- Daemon Thread
- Interthread Communication

→ File Handling

- Introduction
- Types of Stream
- Serialization
- File Compression & Uncompress
- Stream Tokenizer
- String Tokenizer
- Console Class

→ Networking

- Introduction
- InetAddress
- Socket & Server Socket
- URL
- Datagram Socket & URL Connection
- Chat Server

→ Reflection API

- Introduction
- Analyzing Class
- Controlling Object
- Controlling Array

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Regular Expression

- Introduction
- Pattern Matching
- Metacharacters and Qualifiers

Annotation

- Information of Compiler
- Standard Annotation Type
- Use of Annotation
- Javadoc commented Tag
- Custom Annotation
- Define and use of Custom Annotation



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