**CORE JAVA COURSE CONTENT**

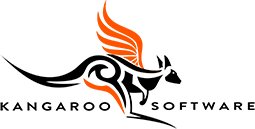
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**Our Strength**

**Duration: 30 Hours Vivek Sir**

**Prerequisite: C++ 0939-9126229**

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| **Core Java**  **Syllabus** | * Explain JAVA Technology, Java Short History, Comparison of JAVA from C/C++ * Type of Application of JAVA * JAVA 10 Features ,How to download JAVA Software Tools * SCOPE of JAVA * Set Environment of JAVA(Temp Path | Permanent Path) * First Hello Word Program of JAVA * Data type using Primitive type and Wrapper class * Operator and Conditional Statements (if, if—else, nested, else if, multiple if) * Control Structure and Switch Statement, Nested Switch Statement * Array (One dimension, Multidimensional, Jagged, Object) * String class, String Buffer Class, String Builder Class * OOP’s Introduction, Class and Object ,Type of Class, Inner class, Anonymous object, Generic Class, Data abstraction, Encapsulation, Polymorphism, Constructor, Garbage collector, Inheritance, Abstract class, Interface, Super Keyword, this Keyword * Command Line input * Input By System.in.read () * Exception Handling (Checked , Unchecked) Explain throw, throwable * File Handling (File, File Reader, File Writer, Buffered Reader, Buffered Writer, FileInputStream, FileOutputStream) * Serialization and Deserialization * AWT Introduction discuss all Component * Swing Implementation * Applets and J-Applet * Create Notepad using All Dialog Component * Multithreading, explain Thread, Runnable, Sleep, Wait, notify, and notify all, Thread Synchronization * Create JAR file by Command * Create Package by Command   **JAVA 10 Features Implementation**   * Time Based Release Versioning * Local-Variable Type Inference * Experimental JAVA-Based JIT Compiler * Application Class-Data Sharing * Parallel Full GC * Garbage Collector Interface * Heap Allocation |



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