**CONTENT OF JAVA LANGUAGE TRAINING COURSE**

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| 1 | **Introduction to Programming Languages**   * Low Level Language * Assembly Language * High Level Language |
| 2 | **Introduction of Java**   * Why Java * Features Of Java * Tokens   + Constant   + Variable   + Keyword   + Identifier   + Separators   + Operators     - Assignment Operator     - Arithmetic Operator     - Shorthand Operator     - Relational Operator     - Conditional Operator     - Logical Operator     - Bitwise Operator     - Increment | Decrement Operator |
| 3 | **Java Data type** |
| 4 | JDK, JRE, JVM |
| 5 | **Structure of Java program**   * Compilation Process and Execution of Java program. |
| 6 | **Basic Formula Implementation Java Programs**   * Primitive Casting * Scanner Class * Taking values from user |
| 7 | **Control Statements**   * Sequential Control Statement * Conditional (Decision) Control Statement * If statement * If else statement * Nested if else statement * Else if ladder * Switch Control Statement * Looping Control Statement * Introduction To Loop * Types Of Loops * For Loop * While Loop * Do While Loop |
| 8 | **Overview of Nested Loop, Jump Statements and Patterns** |
| 9 | **Command Line Arguments** |
| 10 | **Array (1D, 2D and Multidimensional Array)** |
| 11 | **Netbeans Intoduction** |
| 12 | **OOP's Concepts** |
| 13 | **Basic Class Object Programs** |
| 14 | **Constructor and Types of Constructor** |
| 15 | **Singleton class** |
| 16 | **Array of Object** |
| 17 | **Method Overloading** |
| 18 | **Keywords**   * Final * Static * This * Super |
| 19 | **Concept of Varargs and instanceof operator** |
| 20 | **Inheritance and its Types** |
| 21 | **Inheritance (Runtime Polymorphism)** |
| 22 | **Inheritance (Abstract Classes)** |
| 23 | **Netsted Classes (Static & Inner Classes)** |
| 24 | **Interface**   * Static Method * Default method * Functional interface * Private method in interface |
| 25 | **Method Reference, Predicates, Lambda Expression** |
| 26 | **Object class** |
| 27 | **Concept of Package** |
| 28 | **String**   * String methods * String Buffer * String Builder * String Joiner |
| 29 | **Exception Handling**   * Introduction * Mechanism of Exception Handling * Blocks and Keywords Used In Exception Handling * Types of Exception * Multiple catch and Generalized catch * How to throw Exception Explicitly * UserDefined Exception |
| 30 | **File Handling**   * ByteStreams : FileInputStream, FileOutputStream etc * Character Stream : FileReader, FileWriter, BufferedReader, BufferedWriter * PrintWriter, ObjectOutputStream, ObjectInputStream |
| 31 | **Threading**   * Basic Concept * Sleep, Join, isAlive, Priority and many more. * Synchronization(Class Level, Object Level) * DeadLock * Inter Thread Communication |