

## **Java Programming - Masterclass**

DAY 1 Java Introduction |Installation

DAY 2 Java variables – Identifiers, Datatype, Classes and Objects

DAY 3 Java Comments – Single line comments, multi-line comments

DAY 4 Loops – Different types of loops, Decision Making Statements

DAY 5 Ternary operator, switch statement, Arrays

and Methods in Java.

DAY 6 Inheritance, Method Overloading, Method-Overriding.

DAY 7 Java – Type Casting, Abstract class, Interface.

DAY 8 Java Package, Access Modifiers, Encapsulation, Wrapper Class.

DAY 9 Java – Regular Expressions

DAY 10 Java Strings, String Methods.

DAY 11 Exception Handling, Types Of Java Exceptions

DAY 12 Try – Catch block, throw and throws keyword.

DAY 13 Java File I/O – File InputStream OutputStream.

DAY 14 Buffered InputStream, Buffered OutputStream

DAY 15 Threads Introduction | Constructors and Methods Of Thread Class.

DAY 16 Deadlock, Java Collections

DAY 17 Introduction To JDBC

DAY 18 Jdbc Components, Driver Connections.

DAY 19 JDBC Examples

DAY 20 JDBC Transactions

DAY 21 AES – 256 Encryption and Decryption In Java AES Algorithm

DAY 22 Implementation of Phonetic Search with Soundex Algorithm Soundex Algorithm.

DAY 23 Password Hash using MD5 Algorithm MD5 Algorithm

DAY 24 Sorting an array using Bubble Sort Bubble Sort Algorithm

DAY 25 Sorting an Array Using Merge Sort Merge Sort Algorithm

DAY 26 Sorting an array using Quick Sort Algorithm Quick Sort Algorithm

DAY 27 Data extraction from social network using greedy algorithm Greedy algorithm.

DAY 28 RSA encryption and Decryption in Java RSA Algorithm

DAY 29 Infinite loop detection in linked list

DAY 30 User Level Runtime Security Auditing for The Cloud