Java

STANDARD EDITION

#CodingMtlbVMM

HISTORY & INTRODUCTION

Introduction to the history and evolution of Java .Compilation Process & Understanding Java Virtual Machine Environment

OPERATORS & BASIC OPERATIONS

Tokens , Data Types, Variables, Working with operators, Controls statements including if-else, loops,switch case etc

DATA STORAGE IN JAVA

Working with Single & Multi Dimensional Arrays String, String Buffer & String Builder, String Tokenizer

OBJECT ORIENTED-1

Understanding Concept of classes, Objects, methods, message passing and static members, working with anonymous static block, constructors and Temporary Instance

OBJECT ORIENTED-2

Inheritance and interface , private interface methods, Anonymous Inner Class , Polymorphism and packages , Exception Handling

MULTITHREADING

Thread Class & Runnable Interface , Thread Life cycle , Thread Synchronization

GRAPHICAL USER INTERFACE

Abstract Window Toolkit & Components . Event Handling Mechanism . Swing Components and Layout Managers

DATABASE CONNECTIVITY

Working with MYSQL , Creating Connection with the database. performing CRUD, JDBC with GUI

NETWORKING

Introduction to computer networks . Working with Server & Client , Using HTTP Request and Response

COLLECTION CLASSES

Working with Date , Calendar & Object Classes, List , Set , Map . Queue and Array List.
Auto boxing with collections and generic Types

FINISHING UP

Creating Executable JAR FILE working with Custom Library Classes

FEATURES OF LATEST JAVA VERSION

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