



CORE JAVA COURSE

Course Curriculum

Module 1: Introduction to Java

- Overview of Java
- History of Java
- Features of Java
- Installing Java Development Kit (JDK)

Module 2: Java Basics

- Writing your first Java program
- Data types and variables

Module 3: Object-Oriented Programming (OOP) Principles

- Classes and objects
- Inheritance
- Polymorphism
 - 1) Method-Overloading
 - 2) Method-Overriding
- Encapsulation
- Abstraction
 - 1) Abstract class
 - 2) Interface

Module 4: Loops

- Control Statement
 - 1) While
 - 2) Do....While
 - 3) For and Nested For
- Selection Statement
 - 1) If
 - 2) If....else
 - 3) Else....if
- Jumping statement
 - 1) Break
 - 2) Continue
 - 3) Switch

Course Curriculum

Module 5: Intermediate

- Scanner
- Typecasting
 - 1) Upcasting
 - 2) Downcasting
 - 3) Narrowing
 - 4) Widening
- Array
- String
 - 1) String types
 - 2) String methods
- Collection
 - 1) List
 - 2) Set
 - 3) Map
- Keywords
- Exception Handling