



JAVA

Course Content

Java

- Java is a class based, platform independent object oriented language.
- It is used worldwide for the development of the various applications related to numerous domains like banking, retail, IT, android, finance, big data and much more.

Prerequisites to Learn Java

- Programming fundamentals, C ++
- Sql



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Introduction

- ✓ Introduction
- ✓ History
- ✓ Feature
- ✓ C++ vs Java
- ✓ Environment Setup For Java
- ✓ First java program

Data Types & Variable

- ✓ DataTypes in Java
- ✓ Variable in Java
- ✓ Keyword in Java

Basic Input/Output

- ✓ print() & println()
- ✓ Scanner class
- ✓ comments in Java

Operators in Java

- ✓ Arithmetic Operators
- ✓ Increment Decrement Operators
- ✓ Relational Operator
- ✓ Logical Operators

Condional Statement

- ✓ if Statement
- ✓ if else Statement
- ✓ else if Statement
- ✓ Nested if...else Statement
- ✓ switch Statement

Looping Structure

- ✓ while loop
- ✓ do while loop
- ✓ for loop
- ✓ Nested Loop

Loop Contral Statement

- ✓ Break Statement
- ✓ Continue Statement

Object Oriented Concepts

- ✓ What is class?
- ✓ How to define class?
- ✓ How to access class members?
- ✓ Member functions in class
- ✓ Types of member function

Constructor

- ✓ How to declare constructor?
- ✓ Types of constructor

CSS Margin

- ✓ Single
- ✓ Multilevel
- ✓ Hierarchical
- ✓ Hybrid

Polymorphism

- ✓ Compile time Polymorphism
- ✓ Run time Polymorphism

Abstraction & Interface

- ✓ What is Abstract Class?
- ✓ How to declare Abstract Class?
- ✓ What is Interface ?
- ✓ Relationship between classes and interfaces

Exception Handling

What is Exception ?

try/catch/finally keyword

Types of Exception

Package

- ✓ What is Package?
- ✓ Types of Package
- ✓ How to create package?
- ✓ How to access package members?

Array

- ✓ What is Array?
- ✓ How to declare array?
- ✓ Types of Array
- ✓ Array class & methods

String

- ✓ String in Java
- ✓ String Methods
- ✓ String Buffer
- ✓ String Builder

Collections

- ✓ ArrayList
- ✓ LinkedList
- ✓ HashMap
- ✓ Vector





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