

Java Fundamentals Short Course

40 · R14,995

Master Java — the language behind enterprise software, Android apps and backend services. This course covers core Java from scratch: object-oriented programming, generics, colle...

40

Hours of Training

R14,995

Course Fee

5 Days

Full-Time Option

JHB · CPT

+ Online Nationwide

COURSE CURRICULUM

What You'll Learn

Java Basics & JDK Setup

Install the JDK, understand the JVM, write your first program and use an IDE (IntelliJ IDEA).

Methods & Arrays

Method overloading, pass-by-value, single and multidimensional arrays.

Interfaces & Abstract Classes

Define contracts with interfaces, implement multiple interfaces, use abstract classes.

Generics

Generic classes and methods, bounded type parameters, wildcards.

Exception Handling

try/catch/finally, checked vs unchecked exceptions, custom exceptions.

Data Types, Operators & Control Flow

Primitive types, String, operators, if/else, switch, for/while loops.

Object-Oriented Programming

Classes, objects, constructors, encapsulation, inheritance, polymorphism and abstraction.

Collections Framework

ArrayList, LinkedList, HashMap, HashSet and when to use each.

Lambda Expressions & Streams

Functional interfaces, lambda syntax, Stream API for filtering and transforming data.

File I/O & JDBC

Read/write files with java.nio, connect to a database and perform CRUD with JDBC.

WHAT TO EXPECT

Your Learning Experience



Expert-Led Training

Taught by experienced bootcamp instructors with 30+ years of combined industry experience.



Hands-On Projects

You write code from day one. Every concept is reinforced with real exercises and a practical project you keep.



Johannesburg & Cape Town

Attend in-person at our Woodmead (JHB) or Cape Town campus, or join 100% online from anywhere.



Certificate of Completion

Receive a Code College certificate on completion — recognised by employers across South Africa.

2026 PRICING

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