

Java Fundamentals for Android Development

Model 1: Java Basics

- Introduction
- Java programming language
- Java Virtual Machine
- Setting up your machine for Java programming
- Hello World in Java
- Using a text Editor & IDE
- Variables
- Naming
- Primitive Data Types
- Java Operators
- If/Else Statement
- Switch Statement
- While and do-while Loop
- For Loop
- Branching Statements
- Arrays
- Command line Argument

Model 2: OOP in Java

- Object-Oriented Programming Concepts
- Classes and Objects
- Getters and setters
- Access Modifiers
- Constructors
- Method overriding and overloading
- Inheritance
- Polymorphism
- Abstraction
- Encapsulation
- Interfaces
- Package

Model 3: Java Advanced

- Data structures
- Java Collections
- Implementations
- Enumerated types
- Serialization
- Deserializing