

Kotlin Application Development

Duration: 3 Days

Pre-requisite

Java Developers with 2+ years of experience.

Overview

- Getting Started
- Basic Syntax
- Idioms
- Coding Conventions
- Basics
- Basic Types
- Packages
- Control Flow
- Returns and Jumps

Classes and Objects

- Classes and Inheritance
- Properties and Fields
- Interfaces
- Visibility Modifiers
- Extensions
- Data Classes
- Sealed Classes
- Generics
- Nested Classes
- Enum Classes
- Object Expressions and Declarations
- Delegation
- Delegated Properties
- Functions and Lambdas

Functions

- Higher-Order Functions and Lambdas
- Inline Functions
- Coroutines
- Other

- Destructuring Declarations
- Collections
- Ranges
- Type Checks and Casts
- This Expression
- Equality
- Operator overloading
- Null Safety
- Exceptions
- Annotations
- Reflection
- Type-Safe Builders
- Reference
- Grammar
- Notation
- Semicolons
- Syntax
- Lexical structure
- Compatibility
- Java Interop
- Calling Java code from Kotlin
- Calling Kotlin from Java
- JavaScript
- Dynamic Type
- Tools
- Documenting Kotlin Code
- Using Kotlin annotation processing tool
- Using Maven with Kotlin
- Comparison to Java Programming Language