KOTLIN

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Kotlin - Overview

Features
Environment Setup
Editing
Compiling
and Running
Execute for Android

Kotlin Basics

Basic Types
Defining local variables
Comments
Functions
Packages and Imports
If Expression
When Expression
For Loops
While Loops
Break and continue Loop

OOP's in Kotlin

Object Oriented Programming
Association
Composition
Aggregation Inheritance
Lists Sets and Maps
Interfaces and Implementation
Design by Contract
Classes and Objects
Constructors
static methods
public private internal protected class
methods Objects
Delegation

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Functional Programming in Kotlin

Functions as objects
Creating and returning functions
Nested functions
Dynamic functions
Anonymous(lambda) functions
Unit returning functions
Inline Functions
Extension Functions
Couroutines
Dictionary and Set Comprehensions
Collection interconversion patterns

Kotlin JavaScript Interaction

Calling JavaScript from Kotlin
Calling Java from Kotlin
Calling Kotlin from Java
Tools in Kotlin

Other

Destructuring Declarations
Collections
Ranges
Type Checks and Casts
This expressions
Equality
Operator overloading
Null Safety
Exceptions
Annotations
Reflection
Type-Safe Builders
Dynamic Type

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