

## What is Kotlin?

Kotlin is new programming language running on Java Virtual Machine, Android or browser. It is statically typed language and it can be compiled to JavaScript source code (running on browsers).

Kotlin is:

**Concise**, drastically reduced code boilerplate

**Safe**, impossible to get *NullPointerException*

**Versatile**, it is general-purpose programming language

**Interoperable**, we can use existing JVM libs and frameworks.

A team at *JetBrains* (creators of *IntelliJ Idea*) developed Kotlin, an OSS language with an army of external contributors.

Kotlin's benefits over Java are:

- It is Java-compatible language
- It compiles at least as fast as Java
- It is safer than Java
- It is more concise than Java
- Reduces codebase significantly when compared to the same code written in Java

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