

# Kotlin for Spring developers cheat sheet

## IntelliJ IDEA

Convert Java to Kotlin	Menu option: Code > Convert Java File to Kotlin File
Default keymap	<a href="https://resources.jetbrains.com/storage/products/intellij-idea/docs/IntelliJIDEA_ReferenceCard.pdf">https://resources.jetbrains.com/storage/products/intellij-idea/docs/IntelliJIDEA_ReferenceCard.pdf</a>

## Build configuration

Maven	<a href="https://kotlinlang.org/docs/reference/using-maven.html">https://kotlinlang.org/docs/reference/using-maven.html</a>
Gradle	<a href="https://kotlinlang.org/docs/reference/using-gradle.html">https://kotlinlang.org/docs/reference/using-gradle.html</a>

## Documentation

Kotlin Reference	<a href="https://kotlinlang.org/docs/reference/">https://kotlinlang.org/docs/reference/</a>
Spring Framework Kotlin Support	<a href="https://docs.spring.io/spring/docs/current/spring-framework-reference/languages.html#kotlin">https://docs.spring.io/spring/docs/current/spring-framework-reference/languages.html#kotlin</a>
Spring Boot Kotlin Support	<a href="https://docs.spring.io/spring-boot/docs/current/reference/html/spring-boot-features.html#boot-features-kotlin">https://docs.spring.io/spring-boot/docs/current/reference/html/spring-boot-features.html#boot-features-kotlin</a>

## Training material

Kotlin Bootique Documentation	<a href="https://github.com/sourcelabs-nl/kotlin-bootique">https://github.com/sourcelabs-nl/kotlin-bootique</a>
Kotlin Bootique Exercises	<a href="https://github.com/sourcelabs-nl/kotlin-bootique-exercises">https://github.com/sourcelabs-nl/kotlin-bootique-exercises</a>
Coursera Kotlin for Java Developers	<a href="https://www.coursera.org/learn/kotlin-for-java-developers/">https://www.coursera.org/learn/kotlin-for-java-developers/</a>
Kotlin Koans	<a href="https://play.kotlinlang.org/koans/overview">https://play.kotlinlang.org/koans/overview</a>

## Kotlin stdlib

Kotlin Standard library	<a href="https://github.com/JetBrains/kotlin/tree/master/libraries/stdlib/src/kotlin">https://github.com/JetBrains/kotlin/tree/master/libraries/stdlib/src/kotlin</a>
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## Spring Kotlin Extensions

RestOperationsExtensions	<a href="https://github.com/spring-projects/spring-framework/blob/master/spring-web/src/main/kotlin/org/springframework/web/client/RestOperationsExtensions.kt">https://github.com/spring-projects/spring-framework/blob/master/spring-web/src/main/kotlin/org/springframework/web/client/RestOperationsExtensions.kt</a>
JdbcOperationsExtensions	<a href="https://github.com/spring-projects/spring-framework/blob/master/spring-jdbc/src/main/kotlin/org/springframework/jdbc/core/JdbcOperationsExtensions.kt">https://github.com/spring-projects/spring-framework/blob/master/spring-jdbc/src/main/kotlin/org/springframework/jdbc/core/JdbcOperationsExtensions.kt</a>
Bean definition Extensions	<a href="https://github.com/spring-projects/spring-framework/tree/master/spring-context/src/main/kotlin/org/springframework/context/support">https://github.com/spring-projects/spring-framework/tree/master/spring-context/src/main/kotlin/org/springframework/context/support</a>
Spring Boot ApplicationExtensions	<a href="https://github.com/spring-projects/spring-boot/blob/master/spring-boot-project/spring-boot/src/main/kotlin/org/springframework/boot/SpringApplicationExtensions.kt">https://github.com/spring-projects/spring-boot/blob/master/spring-boot-project/spring-boot/src/main/kotlin/org/springframework/boot/SpringApplicationExtensions.kt</a>
Spring WebMvc.fn	<a href="https://github.com/spring-projects/spring-framework/tree/master/spring-webmvc/src/main/kotlin/org/springframework/web/servlet/function">https://github.com/spring-projects/spring-framework/tree/master/spring-webmvc/src/main/kotlin/org/springframework/web/servlet/function</a>

## Libraries

mockito-kotlin	<a href="https://github.com/nhaarman/mockito-kotlin">https://github.com/nhaarman/mockito-kotlin</a>
MockK	<a href="https://github.com/mockk/mockk">https://github.com/mockk/mockk</a>
Jackson-module-kotlin	<a href="https://github.com/FasterXML/jackson-module-kotlin">https://github.com/FasterXML/jackson-module-kotlin</a>