

Kotlin Census 2018

Logic: Show/hide trigger exists.

How do you mostly use Kotlin?*

- ☐ I use it in production code
- ☐ Working on not yet released projects
- ☐ Only for testing production code
- ☐ Only in pet projects
- ☐ Currently I am only studying Kotlin
- ☐ I have used it before, but now stopped
- ☐ I don't use Kotlin

Logic: Hidden unless: #1 Question "How do you mostly use Kotlin?" is one of the following answers ("I don't use Kotlin")

What's stopping you from using Kotlin in production?*

- ☐ Lack of knowledge
- ☐ My management doesn't allow it
- ☐ Colleagues don't want to use a new language
- ☐ Weak ecosystem
- ☐ My customers/clients prohibit it
- ☐ Too many bugs
- ☐ I see no value in it
- ☐ Bad performance of resulting applications
- ☐ Slow compilation
- ☐ Lack of tooling features
- ☐ Lack of documentation
- ☐ Low adoption of the language
- ☐ Other – Write in: _____*

Logic: Hidden unless: #1 Question "How do you mostly use Kotlin?" is one of the following answers ("I use it in production code", "Working on not yet released projects", "Only for testing production code", "Only in pet projects")

How long have you been using Kotlin?*

- ☐ Less than 6 months
- ☐ 6 months to less than 1 year
- ☐ 1 year to less than 2 years
- ☐ 2 years to less than 4 years
- ☐ More than 4 years

Logic: Show/hide trigger exists. Hidden unless: #1 Question "How do you mostly use Kotlin?" is one of the following answers ("I use it in production code", "Working on not yet released projects", "Only for testing production code", "Only in pet projects", "Currently I am only studying Kotlin")

Which flavor of Kotlin do you use?*

- ☐ Kotlin/JVM
- ☐ Kotlin/Android
- ☐ Kotlin/JS
- ☐ Kotlin/Native

Logic: Show/hide trigger exists. Hidden unless: #7 Question "Which flavor of Kotlin do you use?" is one of the following answers ("Kotlin/JVM")

Which JDK version(s) do you develop for?*

- ☐ JDK 6
- ☐ JDK 7
- ☐ JDK 8
- ☐ JDK 9
- ☐ JDK 10

- ☐ JDK 11
- ☐ I don't know

Logic: Hidden unless: #8 Question "Which JDK version(s) do you develop for?" is one of the following answers ("JDK 9","JDK 10","JDK 11")

Do you use the Java module system?*

- ☐ Yes
- ☐ No
- ☐ I don't know

Logic: Hidden unless: #7 Question "Which flavor of Kotlin do you use?" is one of the following answers ("Kotlin/Android")

Which Android versions do you develop for?*

- ☐ Jelly Bean
- ☐ KitKat
- ☐ Lollipop
- ☐ Marshmallow
- ☐ Nougat
- ☐ Oreo
- ☐ Pie
- ☐ I don't know

Logic: Hidden unless: #7 Question "Which flavor of Kotlin do you use?" is one of the following answers ("Kotlin/JS")

Where do you run the JavaScript code which you compiled from Kotlin?*

- ☐ Browser
- ☐ Node.JS

- ☐ Nashorn
- ☐ React Native
- ☐ Rhino
- ☐ I don't know

Logic: Hidden unless: #7 Question "Which flavor of Kotlin do you use?" is one of the following answers ("Kotlin/Native")

Which platforms / operating systems do you develop for?*

- ☐ iOS
- ☐ Linux Server
- ☐ Raspberry Pi
- ☐ MacOS
- ☐ Windows
- ☐ Android
- ☐ I don't know
- ☐ Desktop Linux

Logic: Hidden unless: #1 Question "How do you mostly use Kotlin?" is one of the following answers ("I use it in production code", "Working on not yet released projects", "Only for testing production code", "Only in pet projects", "Currently I am only studying Kotlin")

What types of apps do you develop in Kotlin?*

- ☐ Web Back-end
- ☐ Web Front-end
- ☐ Mobile
- ☐ Desktop
- ☐ Data analysis / BI
- ☐ Machine learning
- ☐ Game development
- ☐ IoT

- ☐ Embedded
- ☐ Library or framework
- ☐ Tooling
- ☐ Other – Write in:: _____*

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Which IDE do you mostly use for Kotlin development?*

- ☐ IntelliJ IDEA Community
- ☐ IntelliJ IDEA Ultimate
- ☐ Android Studio
- ☐ Eclipse
- ☐ CLion
- ☐ VSCode
- ☐ Other – Write in:: _____*

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What build tools do you use? *

- ☐ Gradle
- ☐ Maven
- ☐ ANT
- ☐ IntelliJ IDEA build system
- ☐ Kobalt
- ☐ Other – Write in:: _____*

Logic: Hidden unless: #15 Question "What build tools do you use? " is one of the following answers ("Gradle")

What Gradle versions do you use?*

☐ I don't know

☐ <4.0

☐ 4.0

☐ 4.1

☐ 4.2

☐ 4.3

☐ 4.4

☐ 4.5

☐ 4.6

☐ 4.7

☐ 4.8

☐ 4.9

☐ 4.10

☐ 5.0

☐ 5.1 RC

☐ Other – Write in: _____*

Logic: Hidden unless: #15 Question "What build tools do you use? " is one of the following answers ("Gradle")

Do you use Gradle Kotlin DSL?*

☐ Yes

☐ No

Logic: Hidden unless: #1 Question "How do you mostly use Kotlin?" is one of the following answers ("I use it in production code", "Working on not yet released projects", "Only for testing production code", "Only in pet projects", "Currently I am only studying Kotlin")

What JetBrains Kotlin libraries and frameworks do you currently use, if any?*

- ☐ None
- ☐ I don't know
- ☐ kotlin-wrappers/kotlin-react
- ☐ kotlin-wrappers/kotlin-css
- ☐ kotlin-wrappers/*
- ☐ kotlinx.coroutines
- ☐ kotlinx.html
- ☐ kotlinx.dom
- ☐ kotlinx.reflect_lite
- ☐ kotlinx.metadata
- ☐ Anko Commons
- ☐ Anko Layouts
- ☐ Anko SQLite
- ☐ Anko Coroutines
- ☐ kotlin.test
- ☐ Ktor
- ☐ Dokka
- ☐ Exposed
- ☐ Other – Write in: _____*

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Do you use the Multiplatform Projects (MPP) feature?*

- ☐ Yes
- ☐ No

Logic: Hidden unless: #19 Question "Do you use the Multiplatform Projects (MPP) feature?" is one of the following answers ("Yes")

Which platforms do you use MPP for?*

- ☐ JVM
- ☐ Android
- ☐ JavaScript in browser
- ☐ JavaScript in node.js
- ☐ iOS
- ☐ Mac
- ☐ Linux
- ☐ Windows
- ☐ Embedded systems
- ☐ Other – Write in: _____*

Logic: Hidden unless: #19 Question "Do you use the Multiplatform Projects (MPP) feature?" is one of the following answers ("Yes")

What parts of your current project do you share across multiple platforms?*

- ☐ Everything
- ☐ Communication protocols
- ☐ UI
- ☐ Data format
- ☐ Algorithms and data structures
- ☐ Security
- ☐ ML models
- ☐ RPC, RMI
- ☐ Tests
- ☐ Validation rules
- ☐ Other – Write in: _____*

Logic: Hidden unless: #19 Question "Do you use the Multiplatform Projects (MPP) feature?" is one of the following answers ("No")

Which platforms would you like to use MPP for?*

- ☐ None
- ☐ JVM
- ☐ Android
- ☐ JavaScript in browser
- ☐ JavaScript in node.js
- ☐ iOS
- ☐ Mac
- ☐ Linux
- ☐ Windows
- ☐ Embedded systems
- ☐ Other - Write In: _____*

Logic: Hidden unless: #19 Question "Do you use the Multiplatform Projects (MPP) feature?" is one of the following answers ("No")

Which parts of your current project would you like to share across multiple platforms?*

- ☐ None
- ☐ Everything
- ☐ Algorithms and data structures
- ☐ Communication protocols
- ☐ Data format
- ☐ ML models
- ☐ RPC, RMI
- ☐ Security
- ☐ Tests
- ☐ UI

Logic: Hidden unless: #1 Question "How do you mostly use Kotlin?" is one of the following answers ("I use it in production code", "Working on not yet released projects", "Only for testing production code", "Only in pet projects", "Currently I am only studying Kotlin")

What other Kotlin libraries and frameworks do you currently use, if any?*

- ☐ None
- ☐ I don't know
- ☐ KotlinTest
- ☐ RxKotlin
- ☐ Spek
- ☐ Kotlin-NoSQL
- ☐ Kotter Knife
- ☐ Kotlin Android Extensions
- ☐ Kotson
- ☐ Kovenant
- ☐ Fuel
- ☐ Kodein
- ☐ Klaxon
- ☐ HamKrest
- ☐ TornadoFX
- ☐ mockito-kotlin
- ☐ jackson-module-kotlin
- ☐ khttp
- ☐ spark-kotlin
- ☐ javalin
- ☐ http4k
- ☐ Kluent
- ☐ koin
- ☐ bansa
- ☐ kategory.io
- ☐ ktlint
- ☐ detekt
- ☐ jtrank

- ☐ kscript
- ☐ FXGL
- ☐ kotlin-logging
- ☐ Spring
- ☐ Spring Boot
- ☐ Vert.x for Kotlin
- ☐ Arrow
- ☐ RxBinding
- ☐ Okio
- ☐ DBFlow
- ☐ Alerter
- ☐ Fotoapparat
- ☐ TourGuide
- ☐ Material Dialogs
- ☐ Corda
- ☐ MvRx
- ☐ data2viz
- ☐ MockK
- ☐ Other – Write in: _____ *

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What kinds of resources help you with learning Kotlin?*

- ☐ Books (e.g. "Kotlin in Action", "Kotlin for Android Developers", etc.)
- ☐ Site documentation
- ☐ Kotlin Koans Online
- ☐ Kotlin Educational Plugin
- ☐ MOOCs
- ☐ Stack Overflow
- ☐ Kotlin forum

- ☐ Kotlin Slack
- ☐ Blog posts
- ☐ YouTube
- ☐ Reddit
- ☐ Friends and colleagues
- ☐ Java 2 Kotlin converter
- ☐ Kotlin source code
- ☐ Samples and examples on github
- ☐ Conferences and meetups
- ☐ Talking Kotlin Podcast
- ☐ Kotlin for Java developers on Coursera
- ☐ Other – Write in:: _____ *

What is your primary programming language?*

- ☐ Kotlin
- ☐ Java
- ☐ C#
- ☐ JavaScript
- ☐ C
- ☐ C++
- ☐ Swift
- ☐ Objective-C
- ☐ Go
- ☐ Scala
- ☐ Groovy
- ☐ Clojure
- ☐ Python
- ☐ PHP
- ☐ Other – Write in:: _____ *

Logic: Show/hide trigger exists.

What is your job role (job roles)?*

- ☐ Programmer / Software engineer/ Developer
- ☐ Systems analyst / Engineer
- ☐ Software architect
- ☐ Project lead / Team lead
- ☐ Data analyst / Data scientist
- ☐ Data architect / DBA
- ☐ QA engineer
- ☐ CIO / CEO / CTO
- ☐ UX / UI designer
- ☐ Teacher / Professor
- ☐ Student
- ☐ Other – Write in:: _____ *

Logic: Hidden unless: #27 Question "What is your job role (job roles)?" is one of the following answers ("Programmer / Software engineer/ Developer","Systems analyst / Engineer","Software architect","Project lead / Team lead","Data analyst / Data scientist","Data architect / DBA","QA engineer","CIO / CEO / CTO","UX / UI designer","Teacher / Professor")

How many people work for your company / organization?*

- ☐ Just me
- ☐ 2–10
- ☐ 11–50
- ☐ 51–500
- ☐ 501–1,000
- ☐ 1,001–5,000
- ☐ More than 5,000
- ☐ Not sure