

Android Development



About me

Alvaro Saavedra Garcia

Systems Engineer - San Simon University

Almost 5 years of Android development

Associate Android Developer - Google

Trainer of multiple mobile bootcamps

Presentations

Name

Experience

Experience with Java

Experience with Android

Other languages

Considerations

Be on time

Help each other

Share knowledge

Participate

Present the challenges

Class Attendance

Challenges

Homework

Final Project



 **Kotlin**



Kotlin

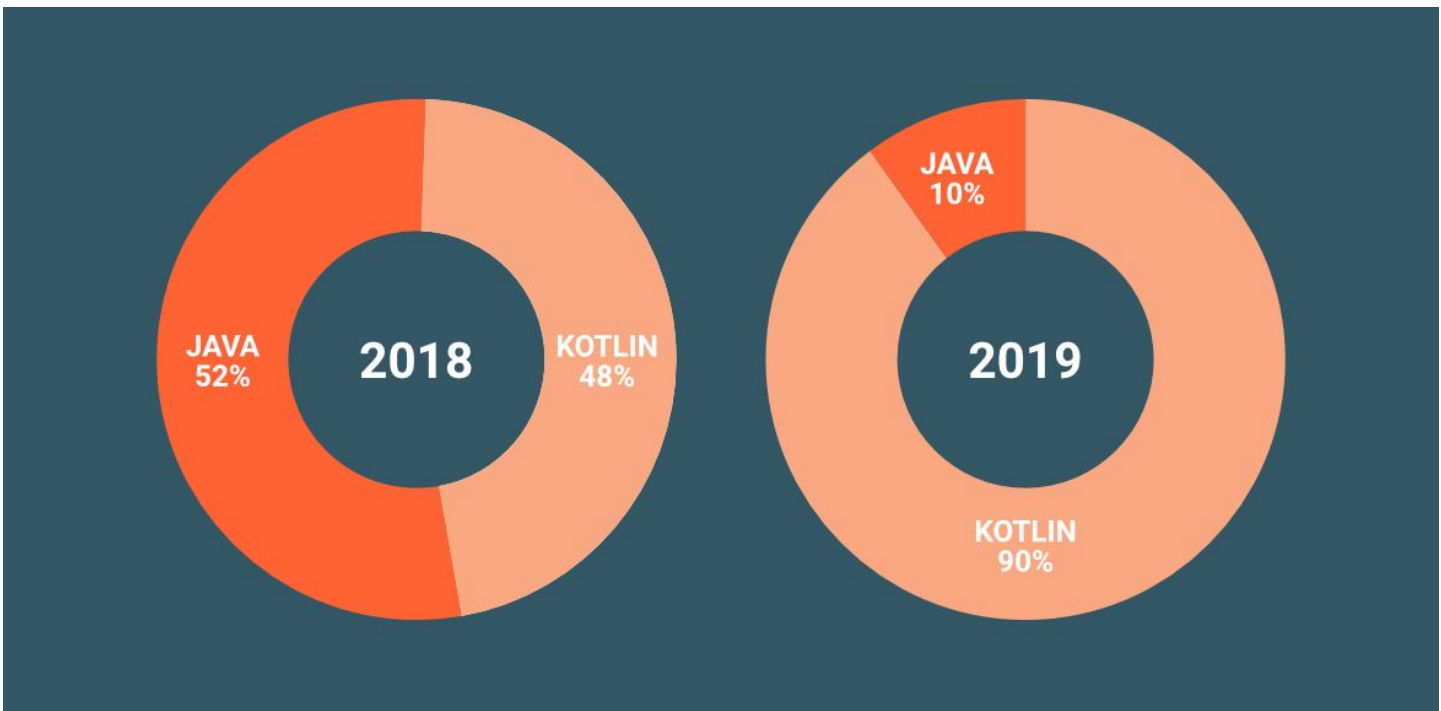
Officially Supported by Google

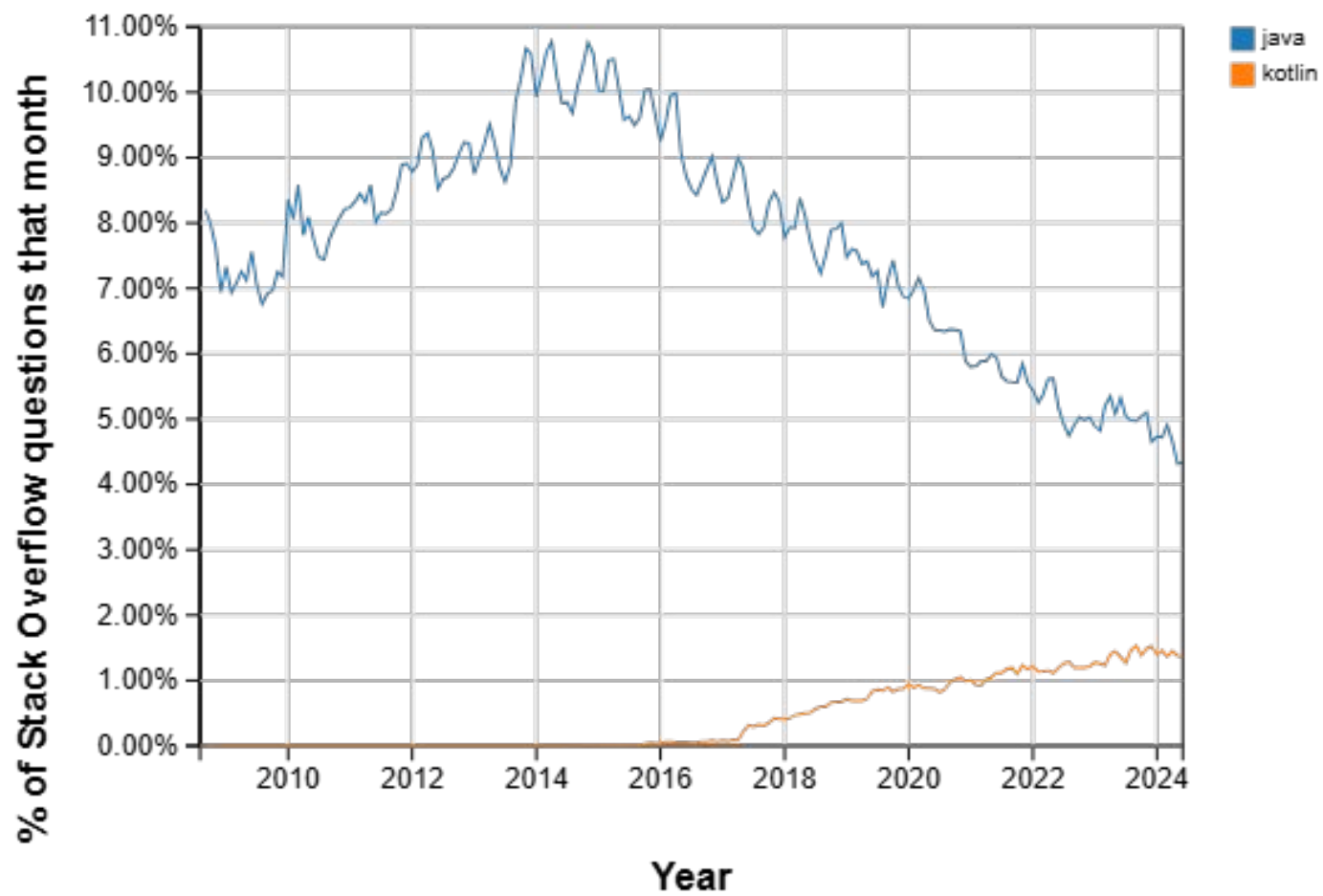
- In 2017, Google announced first-class support for Kotlin in Android development.
- In 2019, Google declared Kotlin as the preferred language for Android development.
- Android Jetpack libraries are now Kotlin-first.



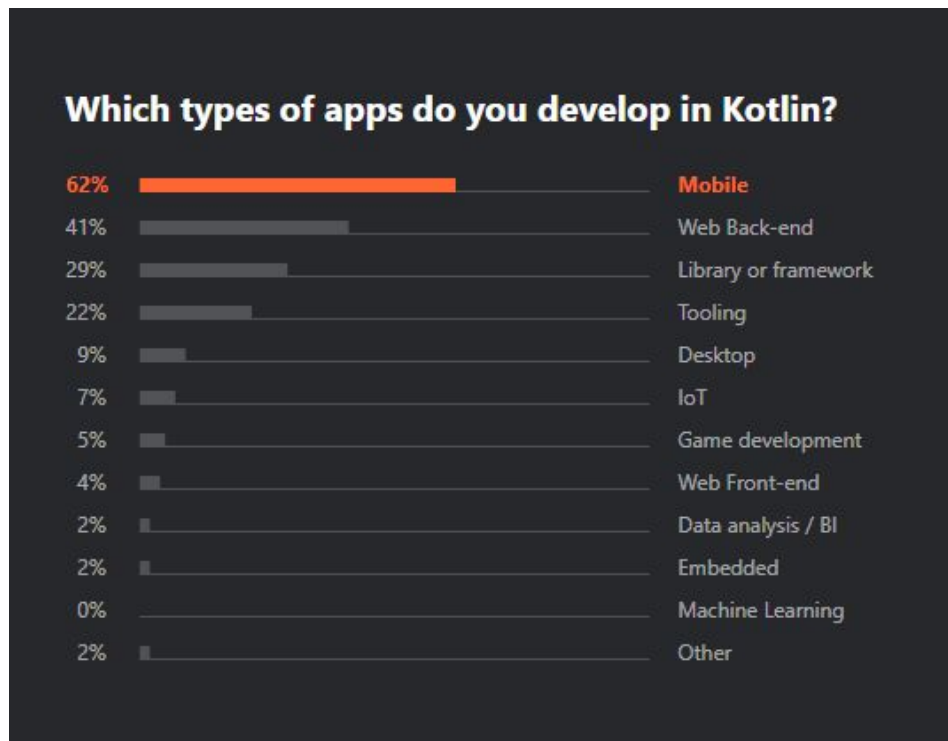
Kotlin

Java vs Kotlin

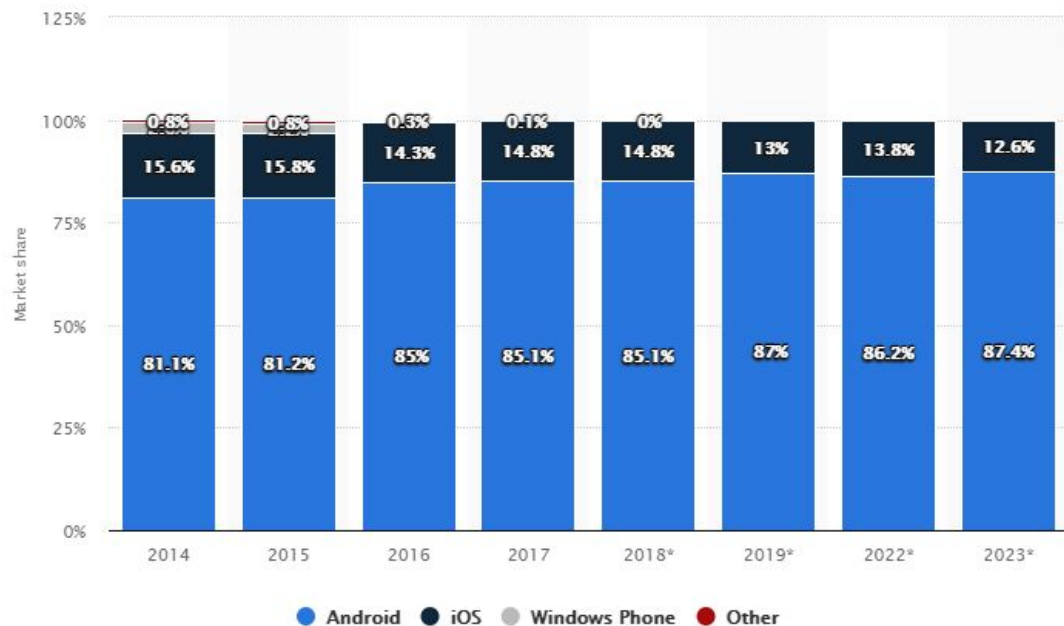




Kotlin



kotlin



[Additional Information](#)

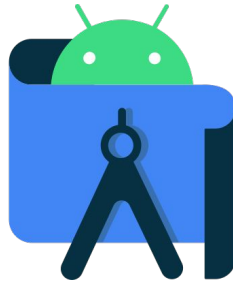
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What do we need to start an app ?

android
studio



Android versions

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Android 10 (API level 29)

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Android 7.0 (API level 24)

Android 6.0 (API level 23)

Android 5.1 (API level 22)

Android 5.0 (API level 21)

[Android 4.4W \(API level 20\)](#)

Android 4.4 (API level 19)

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Android 4.0 (API level 14)

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Empty Activity

Creates a new empty activity

Name

Package name

Save location



Language




Minimum SDK



Your app will run on approximately **94.1%** of devices.

[Help me choose](#)



Use legacy android.support libraries 

Using legacy android.support libraries will prevent you from using the latest Play Services and Jetpack libraries

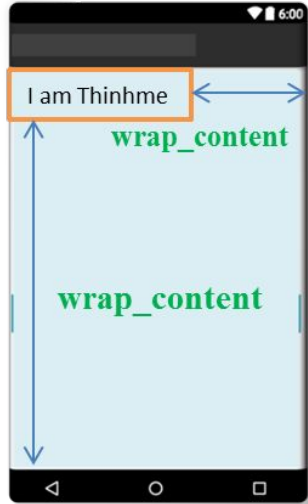
Previous

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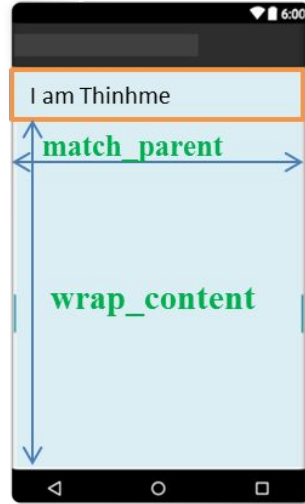
Cancel

Finish

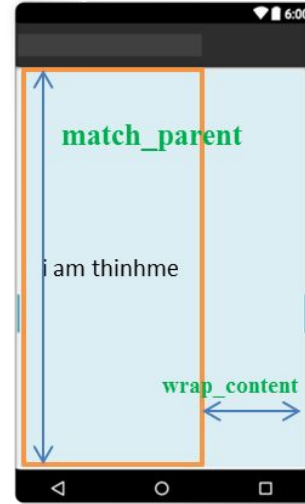
Layout Width - Height



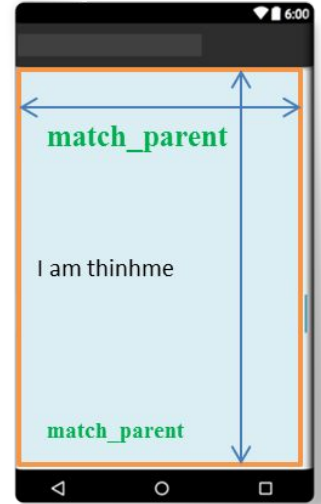
`android:layout_width = "wrap_content"`
`android:layout_height = "wrap_content"`



`android:layout_width = "match_parent"`
`android:layout_height = "wrap_content"`



`android:layout_width = "wrap_content"`
`android:layout_height = "match_parent"`



`android:layout_width = "match_parent"`
`android:layout_height = "match_parent"`

Resources

<https://developer.android.com/kotlin>

<https://developer.android.com/docs>

<https://material.io/develop/android>