

Overview

Android programming is done with Java, and usually the IDE you use is Android Studio.

Android Studio has an underlying structure derived from IntelliJ, and IDE produced for Java by JETBRAINS.

Java was not made for Android, Java was made to be an embedded platform independent language.

Jetbrains decided to build their own language based off Java that was more suited for Android and a few other things so they created:

KOTLIN

I've written a lot of code for Android with Java. I might write all the rest of my code using KOTLIN.

When you're writing an Android App you have a lot of threading, many processes have to be split up with threads. Kotlin makes this process much easier.

Compiling

I can't expect you all to download Android Studio, or IntelliJ for one two week assignment, or for all of you to have an Android phone.....although you should.....so we will do this week's assignment in the **Kotlin Playground**:

<https://play.kotlinlang.org/>

Then you will cut and paste your code into a document to upload on D2L.

I will provide a zipped folder of sample code I do in class, but there are tons of examples of demo code on the Kotlin Website.

<https://play.kotlinlang.org/byExample/overview>

Because we are compiling in a browser there is only so much we can do as far as threading, coroutines and even object oriented programming.