



OKAN ÜNİVERSİTESİ
İSTANBUL

ANDROID APP DEVELOPMENT

Levent YILDIZ

<http://www.leventyildiz.com.tr>

<https://github.com/lvntyldz>

★ Kotlin ?

★ Java vs Kotlin

★ Hybrid vs Native

★ <https://developer.android.com>



Kotlin Geliştirme Gerekesinimleri

- JDK
- Android SDK
- Gradle
- Emulator | Device
- Android Studio
- Kotlin Plugin
- Git

★ Gradle ?

★ Zorunluluk

★ Build.gradle

★ Paket yöneticileriyle kurulum





Gradle – Daha fazla bilgi

```
dependencies {  
    implementation fileTree(dir: 'libs', include: ['*.jar'])  
    implementation "org.jetbrains.kotlin:kotlin-stdlib-jdk7:$kotlin_version"  
    implementation 'androidx.appcompat:appcompat:1.1.0'  
    implementation 'androidx.core:core-ktx:1.3.0'  
    implementation 'androidx.constraintlayout:constraintlayout:1.1.3'  
    testImplementation 'junit:junit:4.12'  
    androidTestImplementation 'androidx.test.ext:junit:1.1.1'  
    androidTestImplementation 'androidx.test.espresso:espresso-core:3.2.0'  
}
```



Gradle – Daha fazla bilgi

```
android {  
    compileSdkVersion 29  
  
    defaultConfig {  
        applicationId "com.tutorials.helloworld"  
        minSdkVersion 21  
        targetSdkVersion 29  
        versionCode 1  
        versionName "1.0"  
  
        testInstrumentationRunner "androidx.test.runner.AndroidJUnitRunner"  
    }  
  
    buildTypes {  
        release {  
            minifyEnabled false  
            proguardFiles getDefaultProguardFile('proguard-android-optimize.txt'), 'proguard-rules.pro'  
        }  
    }  
}
```

★ JDK ?

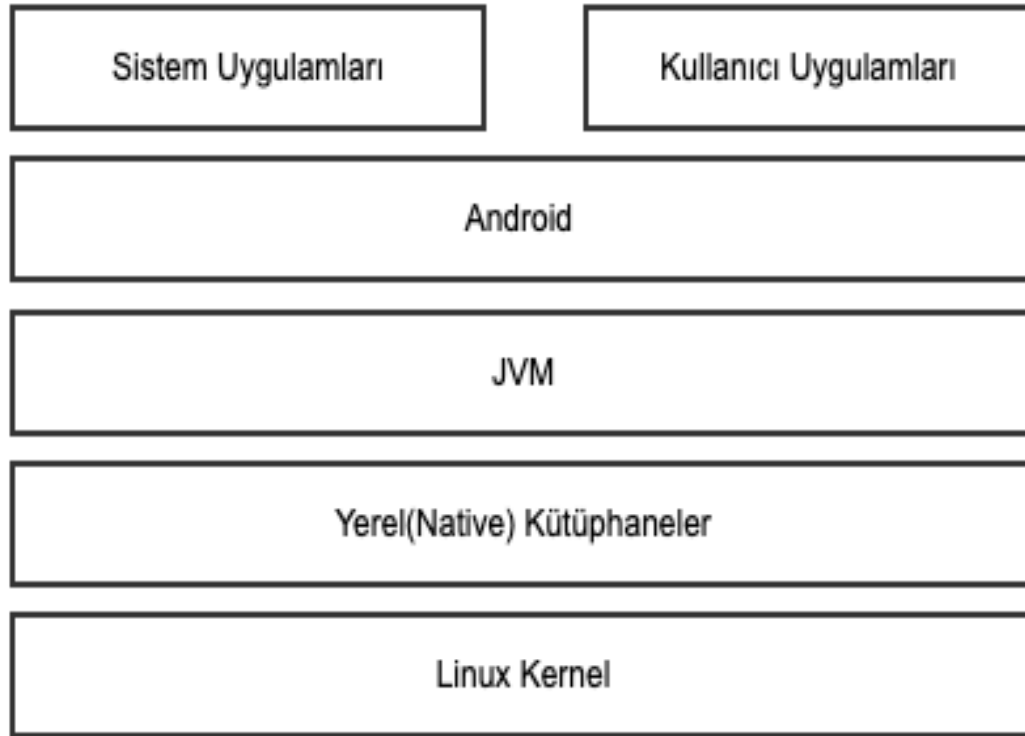
★ Zorunluluk

★ .java -> .class

★ <https://www.oracle.com/technetwork/java/javase/downloads>



Android Mimarisi



★ Android Studio?

★ Zorunluluk

★ .java -> .apk

★ <https://developer.android.com/studio/>



★ Android SDK?

★ Zorunluluk

★ .java -> .apk

★ Android Studio ile indirilebilir



TEŞEKKÜRLER..

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