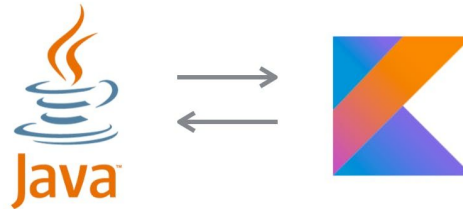


Selamat Datang Di Lombok Dev Meetup #2



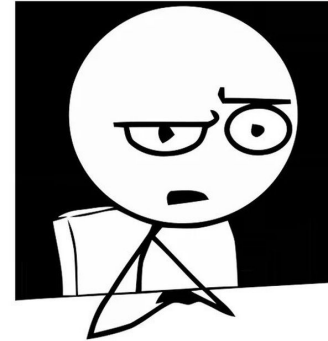
Eby Sofyan Fadly



/ebysofyan



@ebysofyan



Mahasiswa

Kesehariannya sering
Nongkrong di





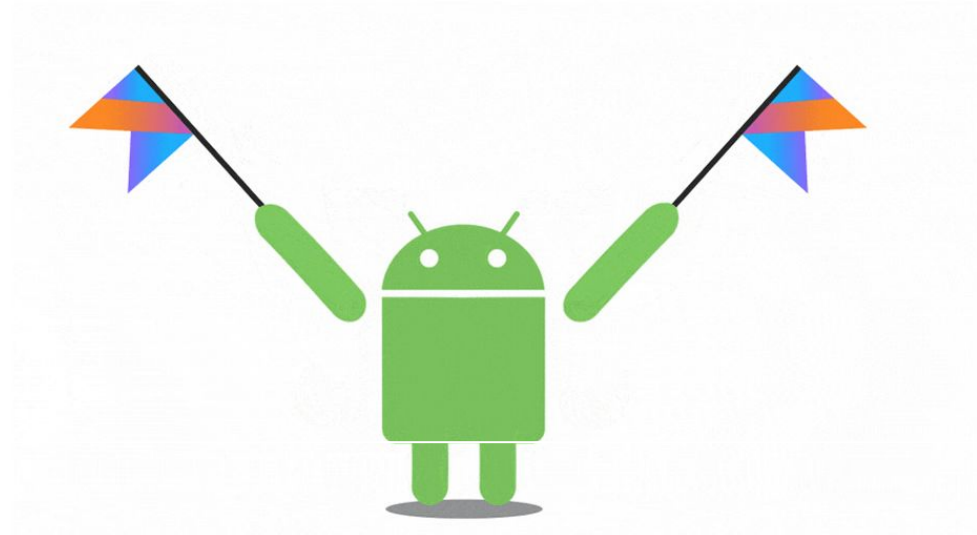
Apa itu Kotlin?

*“Statically typed programming language
for modern multi platform applications”*

kotlinlang.org

Created by





Selamat Datang



#i17



**Kenapa sih harus pake
Kotlin?**

Selalu fun

```
fun main(args: Array<String>) {  
    println("Kotlin is fun")  
}
```


Coding jadi lebih pendek

POJO

```
data class Person(val name: String, val age: Int)
```

Filter list menggunakan lamda expression

```
val newList = someList.filter { it % 2 == 0 }
```

Aman

?



—

findViewById()

Java (Klasik)

```
TextView tvResult = (TextView) findViewById(R.id.tv_result);
```

Java (Butterknife)

```
@BindView(R.id.tv_result)  
TextView tvResult;
```

Kotlin (Klasik)

```
val tvResult = findViewById(R.id.tv_result)
```

Trus apa bedanya?

Kotlin Android Extension

```
tv_result.text = "Negara Api Telah Menyerang"
```


Java (Klasik)

```
button.setOnClickListener(new View.OnClickListener() {  
    @Override  
    public void onClick(View view) {  
        System.out.println("Ampun Om Jangan di Bully");  
    }  
});
```

Java (Butterknife)

```
@OnClick(R.id.btn_click)
void clickMe(){
    System.out.println("Ampun Om Jangan di Bully");
}
```

Kotlin (Kotlin Extension + Lamda)

```
btn_click.setOnClickListener {  
    println("Ampun Om Jangan di Bully")  
}
```

Kotlin Code Style

```
when(x){  
    1 -> print("x == 1")  
    2 -> print("x == 2")  
}
```

```
with(person){  
    println(name)  
    println(age)  
}
```

```
(1..10).forEach {  
    println(it)  
}
```

```
fun String.salam() : String{  
    return "$this Assalamu'alaikum"  
}  
var saySalam = "Ucapkan Salam :".salam()
```



Memulai Ngoding Android dengan Kotlin

Build.gradle (app)

```
apply plugin: 'com.android.application'
apply plugin: 'kotlin-android'
apply plugin: 'kotlin-android-extensions'
apply plugin: 'kotlin-kapt'
```

```
android {
    compileSdkVersion 26
    buildToolsVersion "26.0.1"
    defaultConfig {
        applicationId "id.web.ebysofyan.kotlinjavacomparison"
        minSdkVersion 16
        targetSdkVersion 26
        versionCode 1
        versionName "1.0"
        testInstrumentationRunner "android.support.test.runner.AndroidJUnitRunner"
    }
    buildTypes {
        release {
            minifyEnabled false
            proguardFiles getDefaultProguardFile('proguard-android.txt'), 'proguard-rules.pro'
        }
    }
}
```

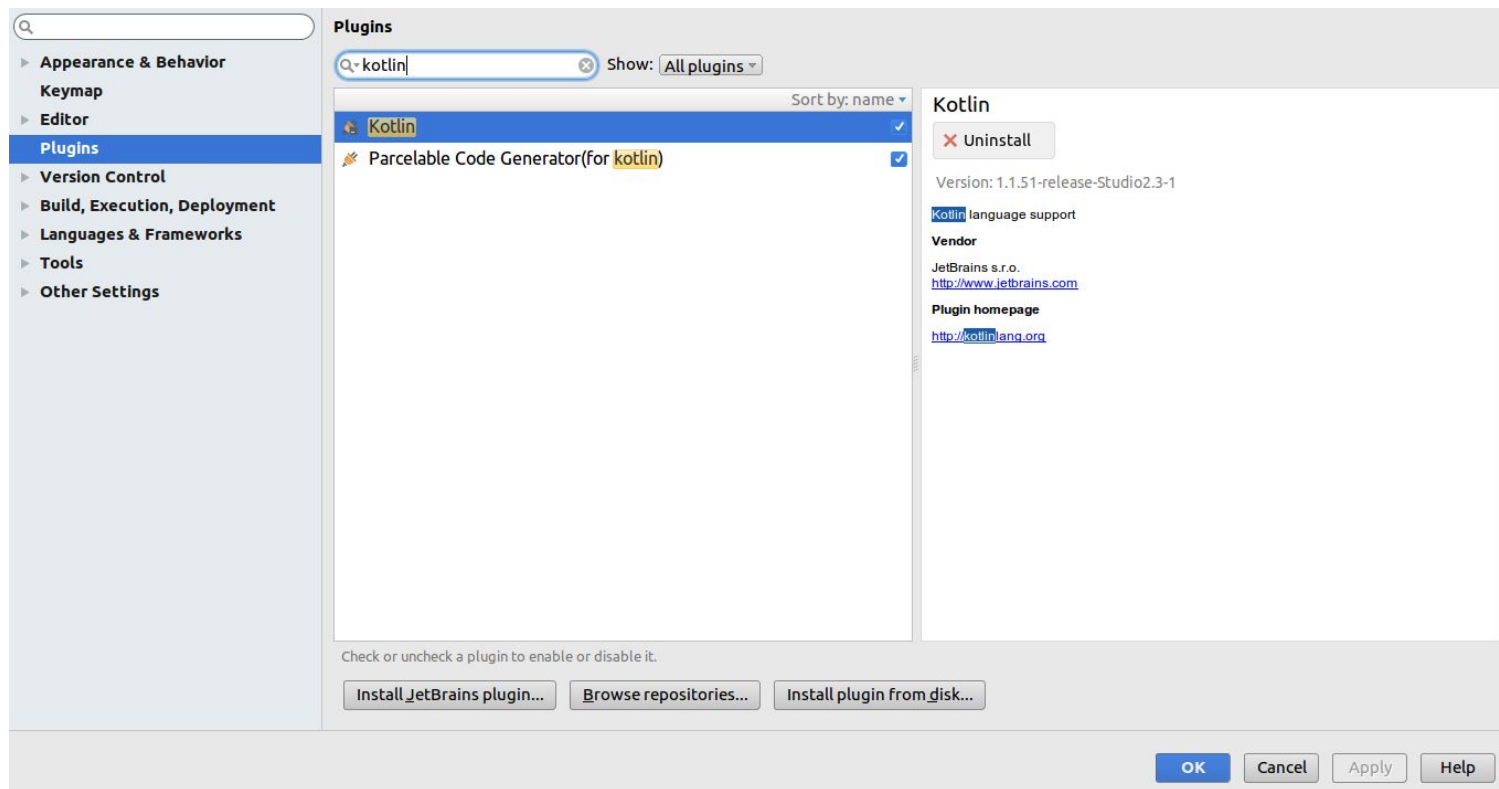
Build.gradle (app)

```
dependencies {  
    compile fileTree(dir: 'libs', include: ['*.jar'])  
  
    // Kotlin  
    compile "org.jetbrains.kotlin:kotlin-stdlib:${kotlinVersion}"  
  
    // Android Compat  
    compile 'com.android.support:appcompat-v7:26.+'  
    compile 'com.android.support.constraint:constraint-layout:1.0.1'  
}
```

Build.gradle (ProjectName)

```
buildscript {  
    ext {  
        // Kotlin  
        kotlinVersion = '1.1.4'  
    }  
  
    repositories {  
        jcenter()  
    }  
    dependencies {  
        classpath 'com.android.tools.build:gradle:2.3.3'  
  
        // Kotlin  
        classpath("org.jetbrains.kotlin:kotlin-gradle-plugin:${kotlinVersion}")  
  
        // NOTE: Do not place your application dependencies here; they belong  
        // in the individual module build.gradle files  
    }  
}
```


Kotlin Plugin



The screenshot shows the IntelliJ IDEA Plugins Manager interface. On the left is a sidebar with a search bar and a list of categories: Appearance & Behavior, Keymap, Editor, Plugins (selected), Version Control, Build, Execution, Deployment, Languages & Frameworks, Tools, and Other Settings. The main area is titled 'Plugins' and contains a search bar with 'kotlin' entered, a 'Show:' dropdown set to 'All plugins', and a 'Sort by: name' dropdown. A list of plugins is shown, with 'Kotlin' and 'Parcelable Code Generator(for kotlin)' selected and checked. To the right of the list, the details for the 'Kotlin' plugin are displayed, including an 'Uninstall' button, the version '1.1.51-release-Studio2.3-1', and links for 'Kotlin language support', 'Vendor' (JetBrains s.r.o. with a link to <http://www.jetbrains.com>), and 'Plugin homepage' (with a link to <http://kotlinlang.org>). At the bottom of the main area, there are three buttons: 'Install JetBrains plugin...', 'Browse repositories...', and 'Install plugin from disk...'. At the very bottom of the window are 'OK', 'Cancel', 'Apply', and 'Help' buttons.

Plugins

Q: kotlin Show: All plugins Sort by: name

- ☒ Kotlin
- ☒ Parcelable Code Generator(for kotlin)

Kotlin

Version: 1.1.51-release-Studio2.3-1

[Kotlin](#) language support

Vendor

JetBrains s.r.o.
<http://www.jetbrains.com>

Plugin homepage

<http://kotlinlang.org>

Check or uncheck a plugin to enable or disable it.

Mulai ngoding dengan file.kt



—

Terima Kasih



Ada Pertanyaan?