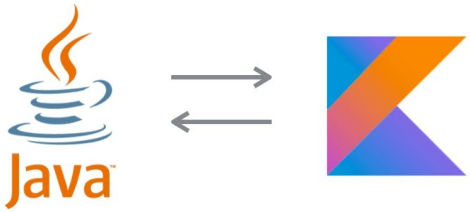
LOMBOK{DEV}
Meetup

Selamat Datang Di
Lombok Dev Meetup #2

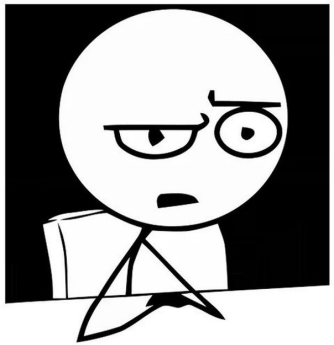


LOMBOK{DEV}
Meetup

Eby Sofyan Fadly

/ebysofyan

@ebysofyan



Mahasiswa

Kesehariannya sering
Nongkrong di

ITEC
Information Technology
Education Center

Apa itu Kotlin?

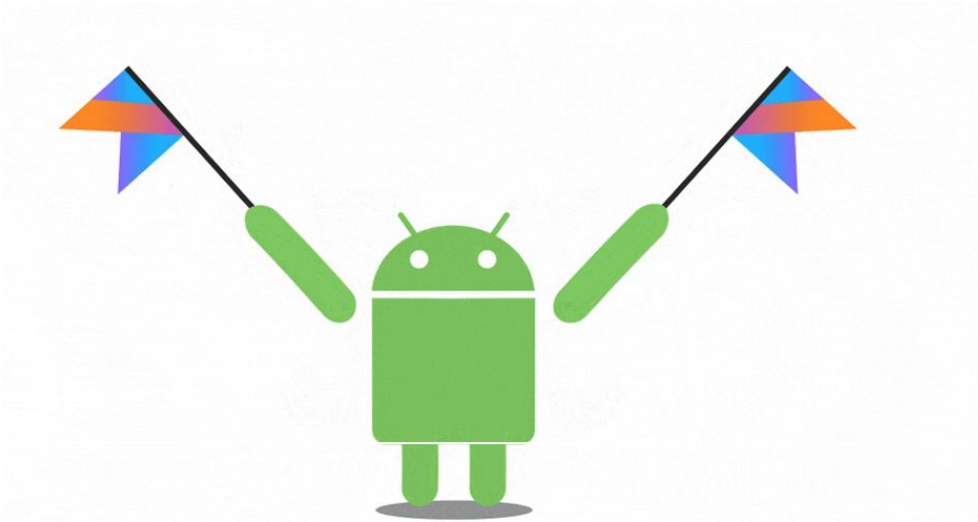
LOMBOK{DEV}
Meetup

“Statically typed programming language for modern multi platform applications”

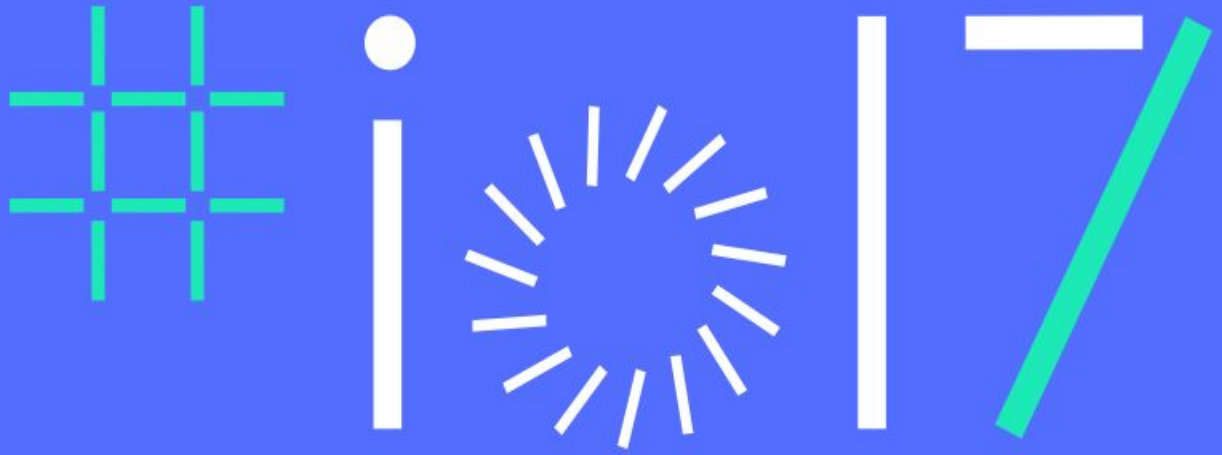
kotlinlang.org

Created by

LOMBOK{DEV}
Meetup



Selamat Datang


#io17

Kenapa sih harus pake Kotlin?

LOMBOK{DEV}
Meetup

Selalu fun

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

LOMBOK{DEV} Meetup

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 }
```

LOMBOK{DEV}
Meetup

Aman

?

findViewById()

LOMBOK{DEV} Meetup

Java (Klasik)

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

LOMBOK{DEV}
Meetup

Java (Butterknife)

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

LOMBOK{DEV} Meetup

Kotlin (Klasik)

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

LOMBOK{DEV}
Meetup

Trus apa bedanya?

LOMBOK{DEV} Meetup

Kotlin Android Extension

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

LOMBOK{DEV} Meetup

Java (Klasik)

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

LOMBOK{DEV}
Meetup

Java (Butterknife)

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

LOMBOK{DEV}
Meetup

Kotlin (Kotlin Extension + Lamda)

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

Kotlin Code Style

LOMBOK{DEV} Meetup

```
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)

LOMBOK{DEV} Meetup

```
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)

LOMBOK{DEV} Meetup

```
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'
}
```

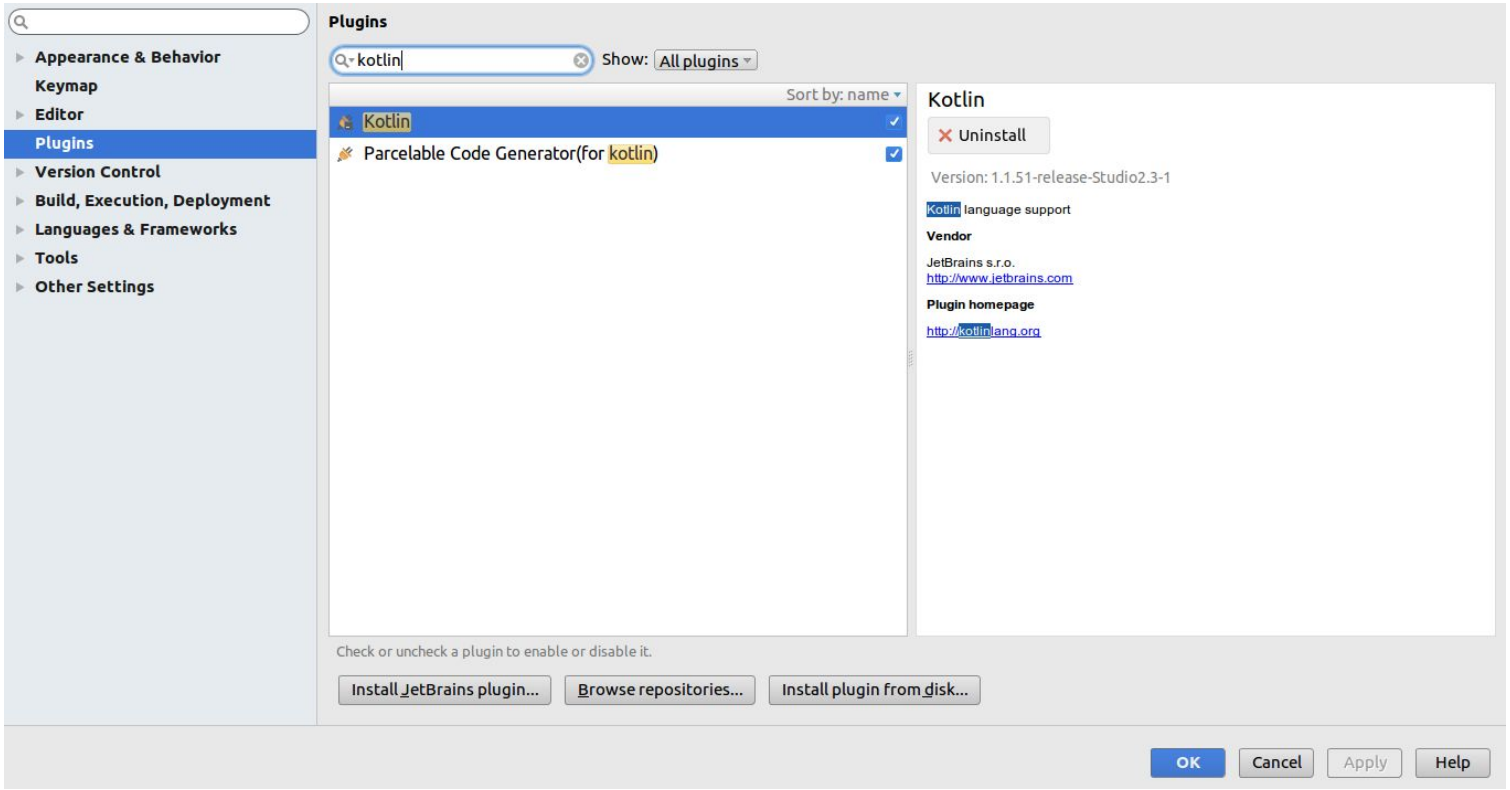
Build.gradle (ProjectName)

LOMBOK{DEV} Meetup

```
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

LOMBOK{DEV} Meetup



LOMBOK{DEV}
Meetup

Mulai ngoding dengan file.kt

Terima Kasih

Ada Pertanyaan?