Kotlin - Why, How and When

Hello!

I am Sadman Samee

I’m here to talk about **kotlin**

You can find me at:

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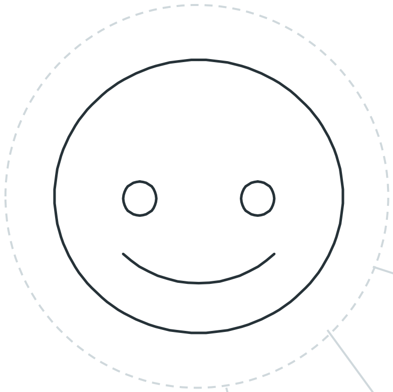


Why move to Kotlin?

Less codes, less crash, nicer codebase.

“

Kotlin is very concise.

Drastically reduce the amount of boilerplate code.

“

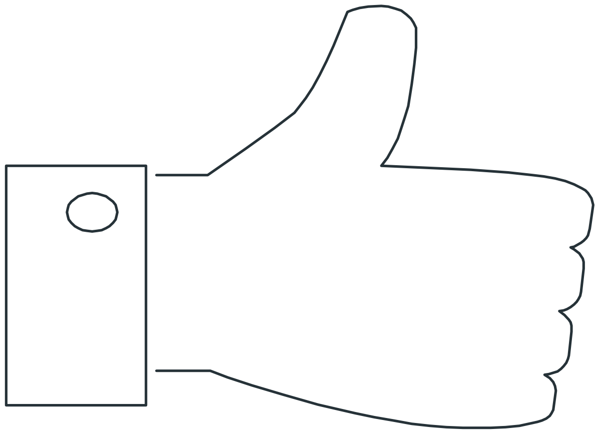
Saves a lot more time to get more sleep.

In Java we write…

```java
final List<Integer> numbers = Arrays.asList(1, 2, 3);

final Map<Integer, String> map = new HashMap<Integer, String>();
map.put(1, "One");
map.put(2, "Two");
map.put(3, "Three");


// Java 9
final List<Integer> numbers = List.of(1, 2, 3);

final Map<Integer, String> map = Map.of(1, "One",
                                        2, "Two",
                                        3, "Three");
```

And In Kotlin...

```kotlin
val numbers = listOf(1, 2, 3)

val map = mapOf(1 to "One",
                2 to "Two",
                3 to "Three")
```



“

Get more with less code =
Decreased dev time and cost.

“

That’s why many big companies are moving to ***Kotlin***

Safe

Avoid NullPointerException. The Billion Dollar mistake

The Pyramid of Doom...

```
if(pyramid != null){
   if(sheep != null){
             if(you != null){
                       }
             }
}
```

… will be replaced with this!

```kotlin
val name = pyramid?.sheep?.you ?: "idiot"
```

Less Verbose code

Kotlin requires less numbers of code compared to Java.

Java

```
private String s1 = "my string 1";
private final String s2 = "my string 2";
private static final String s3 = "my string 3";
```

Kotlin

```
var s1 = "my string 1"
val s2 = "my string 2"
val s3 = """my string 3"""
```

When should you move to Kotlin?

ANYTIME!

Because Kotlin costs nothing to adapt

One-click Java to Kotlin converter.

3 seconds task and 90-99% code coverage!

Both languages can be used on the same project.

Convenient

Kotlin can use existing Java libraries.

Availability

Thanks!

Any questions?

You can find me at:

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