Functional Programming with Kotlin

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JetBrains

VS Scala

Javascript

Google

Gradle

```
buildscript {
    ext.kotlin_version = '1.1.3' // Required for
                                 // Kotlin integration
    ext.spring_boot_version = '1.5.4.RELEASE'

    repositories {
        jcenter()
    }
}
```

Application

```kotlin
@SpringBootApplication
class Application

fun main(args: Array<String>) {
    SpringApplication.run(Application::class.java,
*args)
}
```

Greeting

```kotlin
data class Greeting(val id: Long, val content: String)
```

GreetingController

```kotlin
@RestController
class GreetingController {

    val counter = AtomicLong()

    @GetMapping("/greeting")
    fun greeting(@RequestParam(value = "name", defaultValue =
"World") name: String) =
            Greeting(counter.incrementAndGet(), "Hello,
$name")

}
```

VS

Summary

History

Gradle

Kotlin code

Java VS Kotlin