

EA 6 Buildmanagement

Da ich kein sinnvolles eigenes Projekt für die Aufgabe hatte, habe ich ein „Hello World“-Projekt erstellt.

Die Aufgabe wurde mithilfe des Tutorials

https://docs.gradle.org/current/samples/sample_building_java_applications.html

INIT

```
→ EU_6 gradle init

Select type of project to generate:
 1: basic
 2: application
 3: library
 4: Gradle plugin
Enter selection (default: basic) [1..4] 2

Select implementation language:
 1: C++
 2: Groovy
 3: Java
 4: Kotlin
 5: Scala
 6: Swift
Enter selection (default: Java) [1..6] 4

Split functionality across multiple subprojects?:
 1: no - only one application project
 2: yes - application and library projects
Enter selection (default: no - only one application project) [1..2]

Select build script DSL:
 1: Groovy
 2: Kotlin
Enter selection (default: Kotlin) [1..2] 2

Project name (default: EU_6):
Source package (default: EU_6):

> Task :init
Get more help with your project: https://docs.gradle.org/6.7.1/samples/sample_building_kotlin_applications.html

BUILD SUCCESSFUL in 1m 23s
```

RUN

```
→ EU_6 gradle run

> Task :app:run
Hello World for Verfahren&Werkzeuge EA 6!

BUILD SUCCESSFUL in 41s
2 actionable tasks: 2 executed
```

TEST

```
→ EU_6 gradle test

BUILD SUCCESSFUL in 1s
3 actionable tasks: 3 up-to-date
```

BUILD

```
→ EU_6 gradle build

BUILD SUCCESSFUL in 2s
8 actionable tasks: 5 executed, 3 up-to-date
```

CLEAN

```
→ EU_6 gradle clean

BUILD SUCCESSFUL in 1s
1 actionable task: 1 executed
```

JAR

```
→ EU_6 gradle jar

BUILD SUCCESSFUL in 1s
3 actionable tasks: 3 executed
```

SCRIPT

```
app > build.gradle.kts
1  plugins {
2      id("org.jetbrains.kotlin.jvm") version "1.3.72"
3      application
4  }
5
6  repositories {
7      jcenter()
8  }
9
10 dependencies {
11     implementation(platform("org.jetbrains.kotlin:kotlin-bom"))
12     implementation("org.jetbrains.kotlin:kotlin-stdlib-jdk8")
13     implementation("com.google.guava:guava:29.0-jre")
14     testImplementation("org.jetbrains.kotlin:kotlin-test")
15     testImplementation("org.jetbrains.kotlin:kotlin-test-junit")
16 }
17
18 application {
19     mainClass.set("EU_6.AppKt")
20 }
21
22
23
24
25
```

```
app > src > main > kotlin > EU_6 > App.kt
1  package EU_6
2
3  class App {
4      val greeting: String
5      get() {
6          return "Hello World for Verfahren&Werkzeuge EA 6!"
7      }
8  }
9
10 fun main(args: Array<String>) {
11     println(App().greeting)
12 }
13
```