**Gradle Tutorial Notes: By John Mark Isaac Madison**  
<https://spring.io/guides/gs/gradle/#scratch>  
 **Interpretation key:**  
**Bold Underline**: New Section of document. *<Itallics In Arrows> ==* NOT LITERAL  
**bold** == literal  
  
**Project Structure:**  
*<PRJ\_ROOT>****/*src/main/java**  
 **/HelloWorld.java**  
 **/Greeting.java**

**HelloWorld.java: (Take note of package structure!)**

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| **package hello;**  **import** *<some dependency here>*  **public class HelloWorld {**  **public static void main(String[] args) {**  **//Do some stuff here.**  **}**  **}** |

**Command Line: (When we have no project dependencies)**

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| **cd** *<PRJ\_ROOT>* **gradle build** //build **cd** *<PRJ\_ROOT>\***build\classes\main** **java –cp . hello.HelloWorld** //runs |

**Command Line: JavaExec Method:** *Note: Not sure how you use gradle build with this method.*

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| *//In build.gradle:* **apply plugin “java” task execute(type:JavaExec) {  main = mainClass  classpath = sourceSets.main.runtimeClasspath }** *//On command line: (Do not type “$”, this just denotes command prompt)* 1. $ **cd** *<PrjRoot>*  2. $ **gradle -PmainClass=hello.HelloWorld execute** |

**Command Line: Plugin Method:**

|  |
| --- |
| *//In build.gradle:* **apply plugin: 'java'**  **apply plugin: "application"** //<<Enables you to use: gradle run **mainClassName = 'hello.HelloWorld'** //<<Enables you to use: gradle build*//On command line: (Do not type “$”, this just denotes command prompt)* 1. $ **cd** *<PrjRoot>*  2. $ **gradle run** |