**Gradle**

1. Install Gradle: Download the Gradle distribution from the official Gradle website  <https://gradle.org/next-steps/?version=8.1.1&format=bin>  and follow the installation instructions  <https://gradle.org/install>  for your operating system (Windows/Linux).
2. Gradle runs on all major operating systems and requires only a [Java JDK](https://adoptopenjdk.net/) version 8 or higher to be installed. To check, run java -version:

C:\Users\a5143522\RenesasCodebase\gym\_file\_loader>java -version  
openjdk version "11.0.19" 2023-04-18  
OpenJDK Runtime Environment OpenLogic-OpenJDK (build 11.0.19+7-adhoc..jdk11u)  
OpenJDK 64-Bit Server VM OpenLogic-OpenJDK (build 11.0.19+7-adhoc..jdk11u, mixed mode)

C:\Users\a5143522\RenesasCodebase\gym\_file\_loader>

1. Extract the Zip to a directory of choice.
2. Edit **environment variables for your account**

Windows → Environment Variables

1. Add the **GRADLE\_HOME** **User variable** and specify the folder path as value, where you unzipped the downloaded Gradle package.

A screenshot of a computer

Description automatically generated

1. Now update the PATH variable. Add a new path in the list which is the bin folder

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1. Check gradle -version

C:\Users\a5143522>gradle -version

------------------------------------------------------------  
Gradle 8.1.1  
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Build time:   2023-04-21 12:31:26 UTC  
Revision:     1cf537a851c635c364a4214885f8b9798051175b

Kotlin:       1.8.10  
Groovy:       3.0.15  
Ant:          Apache Ant(TM) version 1.10.11 compiled on July 10 2021  
JVM:          11.0.19 (OpenLogic 11.0.19+7-adhoc..jdk11u)  
OS:           Windows 10 10.0 amd64

C:\Users\a5143522>

C:\Users\a5143522\RenesasCodebase\gym\_file\_loader>**gradle clean build**

> Task :compileJava  
Note: Some input files use or override a deprecated API.  
Note: Recompile with -Xlint:deprecation for details.  
Note: Some input files use unchecked or unsafe operations.  
Note: Recompile with -Xlint:unchecked for details.

Deprecated Gradle features were used in this build, making it incompatible with Gradle 9.0.

You can use '--warning-mode all' to show the individual deprecation warnings and determine if they come from your own scripts or plugins.

See <https://docs.gradle.org/8.1.1/userguide/command_line_interface.html#sec:command_line_warnings>

BUILD SUCCESSFUL in 36s  
11 actionable tasks: 11 executed  
C:\Users\a5143522\RenesasCodebase\gym\_file\_loader>

***Insight to Gradle build for GYM***

PS C:\Users\a5143522\RenesasCodebase\gym\_file\_loader> **gradle clean build**

> Task :compileJava  
Note: Some input files use or override a deprecated API.  
Note: Recompile with -Xlint:deprecation for details.  
Note: Some input files use unchecked or unsafe operations.  
BUILD SUCCESSFUL in 12s  
11 actionable tasks: 11 executed  
PS C:\Users\a5143522\RenesasCodebase\gym\_file\_loader>

This will perform a clean build of your Gradle project, similar to the mvn clean install command in Maven.

The clean task cleans the build directory, removing all generated build artifacts.

The build task compiles the source code, runs tests, and packages the application. It is similar to the install goal in Maven, which also compiles, tests, and packages the application.

After running the gradle build command, the JAR file is usually located in the build/libs directory. The name of the JAR file is determined by the archivesBaseName property in your Gradle build script (build.gradle). By default, the JAR file has the format <project-name>-<version>.jar.

jar {   
archiveBaseName = 'newyt'  
version = ''  
}

**New Gradle Project for GymServices**

**build.gradle**has the springboot version, java version and dependencies same as pom.xml in Maven.

The mavenCentral repository url to download the gradle plugins could be found in build.gradle or in the **settings.gradle**

**gradle-wrapper.properties** has distributionUrl that lists the project gradle version.

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