Running Tests with Gradle

This guide has five subsections, namely:

Installing Gradle from the official website

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Checking Final Gradle Output

Pushing the code to GitHub repositories

Installing Gradle from the official website

* Gradle requires Java development kit in order to work. Java has already been installed in your practice lab. To verify the installation, run the following command:

*java -version*

* Download Gradle using the following command:

*wget* [*https://services.gradle.org/distributions/gradle-6.1.1-bin.zip*](https://services.gradle.org/distributions/gradle-6.1.1-bin.zip)

* After downloading, create a directory for Gradle installation and unzip the downloaded file in the new directory.
* Configure the PATH environment variable using the following command:

*export PATH=$PATH:gradle/gradle-6.1.1/bin*

Checking the Installed version

* Verify the installation using the following command:

*gradle -v*

Scripting the Gradle built program

* Create a new file, type the script given below, and save it as “build.gradle” outside the Gradle folder.
* Go to the command prompt and type the following:
  + gradle tasks
  + gradle build
* That will automatically generate the build folder file.

Checking Final Gradle Output

* Run the Java program using the gradle command line prompt.
* Type gradle build
* Output: “Hello welcome to gradle project !!”

Gradle Project

Add these lines in build.gradle file

testImplementation(platform('org.junit:junit-bom:5.10.0'))

testImplementation('org.junit.jupiter:junit-jupiter')

Dependency Injection:

**package** junitTestScripts;

**import** org.junit.jupiter.api.RepetitionInfo;

**import** org.junit.jupiter.api.TestInfo;

**public** **class** DependencyInjection {

// write the code to inject test and repeatedTest annotation as an Object

@org.junit.jupiter.api.RepeatedTest(5)

**public** **void** repeatedtestdemo(TestInfo testinfo, RepetitionInfo repInfo)

{

System.***out***.println(testinfo.getDisplayName() + ""+ repInfo.getCurrentRepetition() );

}

}