

GitHub repo: <https://github.com/jcnguye/-ser321-spring20223-C-jcnguye.git>

Video of socket: <https://youtu.be/hgbGZxLyr7M>

Task: runAppAgain in JavaGradle

Explanation:

To run this program with inputted parameters you do the gradle runAppAgain with -Pnum1=9 -Pnum2=10 -q --console=plain after it scripting it to multiply  $9 * 10 = 90$ .

```
C:\Users\nguye\Desktop\Ser321Example\ser321examples-fork\Gradle\JavaGradle>gradle build

Deprecated Gradle features were used in this build, making it incompatible with Gradle 8.0.

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/7.4.2/userguide/command_line_interface.html#sec:command_line_warnings

BUILD SUCCESSFUL in 926ms
5 actionable tasks: 4 executed, 1 up-to-date
gradle bu^Zuye\Desktop\Ser321Example\ser321examples-fork\Gradle\JavaGradle>

Deprecated Gradle features were used in this build, making it incompatible with Gradle 8.0.

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/7.4.2/userguide/command_line_interface.html#sec:command_line_warnings

BUILD SUCCESSFUL in 764ms
5 actionable tasks: 5 up-to-date

C:\Users\nguye\Desktop\Ser321Example\ser321examples-fork\Gradle\JavaGradle>gradle runAppAgain -Pnum1=9 -Pnum2=10 -q --console=plain
9 * 10 = 90
C:\Users\nguye\Desktop\Ser321Example\ser321examples-fork\Gradle\JavaGradle>|
```

Task:RunApp in JavaGradle

Explanation:

When using gradle runApp it will default parameters as  $1 * 2 = 2$  as its parameters.

```
BUILD SUCCESSFUL in 621ms
1 actionable task: 1 executed
C:\Users\nguye\Desktop\Ser321Example\ser321examples-fork\Gradle\JavaGradle>gradle runApp

> Task :runApp
1 * 2 = 2

Deprecated Gradle features were used in this build, making it incompatible with Gradle 8.0.

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

See https://docs.gradle.org/7.4.2/userguide/command_line_interface.html#sec:command_line_warnings
```

Task: runClientJava in Middleware

Explanation:

I am trying to run the client side program from java, although it is detecting that I don't have python or a server running.

```
BUILD SUCCESSFUL in 753ms
1 actionable task: 1 executed
C:\Users\nguye\Desktop\Ser321Example\ser321examples-fork\Middleware>gradle runClientJava

> Task :G-RPC:generateProto
protoc plugin 'python' not defined. Trying to use 'protoc-gen-python' from system path

> Task :G-RPC:runClientJava
RPC failed: UNAVAILABLE: io exception

Deprecated Gradle features were used in this build, making it incompatible with Gradle 8.0.

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/7.4.2/userguide/command_line_interface.html#sec:command_line_warnings

BUILD SUCCESSFUL in 6s
6 actionable tasks: 6 executed
C:\Users\nguye\Desktop\Ser321Example\ser321examples-fork\Middleware>
```

Task: run in threads

Explanation:

When executing runs the java files with defaulted arguments giving its results.

```
BUILD SUCCESSFUL in 812ms
5 actionable tasks: 5 executed
C:\Users\nguye\Desktop\Ser321Example\ser321examples-fork\Threads\Account>gradle run

> Task :run
Transaction started #2
Transaction started #5
Transaction started #3
Transaction started #1
Transaction started #4
Balance is 150

Deprecated Gradle features were used in this build, making it incompatible with Gradle 8.0.

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/7.4.2/userguide/command_line_interface.html#sec:command_line_warnings

BUILD SUCCESSFUL in 893ms
2 actionable tasks: 1 executed, 1 up-to-date
C:\Users\nguye\Desktop\Ser321Example\ser321examples-fork\Threads\Account>
```

Tasks: Build in threads

Explanation:

When build is ran it makes another directory named build with all your java class compiler and distributions that's made.

```
5 actionable tasks: 5 executed
C:\Users\nguye\Desktop\Ser321Example\ser321examples--fork\Threads\Account>gradle build

Deprecated Gradle features were used in this build, making it incompatible with Gradle 8.0.

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

See https://docs.gradle.org/7.4.2/userguide/command_line_interface.html#sec:command_line_warnings

BUILD SUCCESSFUL in 735ms
5 actionable tasks: 5 up-to-date
C:\Users\nguye\Desktop\Ser321Example\ser321examples--fork\Threads\Account>gradle assembleDisk
```