



Shaun Vulaj
SER 321
Assignment#1
01/14/21

Github link: <https://github.com/svulaj/ser321-spring2022-C-svulaj>

AWs connection vid: <https://youtu.be/jGkIF7N7xh4>

Task 1

```
1) mkdir cli_assignment
2) cd cli_assignment
3) touch stuff.txt
4) cat >> stuff.txt
5) wc stuff.txt
6) echo 'appended text' >> stuff.txt
7) mkdir draft
8) mv stuff.txt draft
9) touch .secret.txt
10) cp -r draft final
11) mv draft draft.remove
12) mv draft.remove final
13) ls *
14) vim NASA_access_log_Aug95.gz
15) gzip -d NASA_access_log_Aug95.gz
16) mv NASA_access_log_Aug95 logs.txt
17) mv logs.txt cli_assignment
18) head -100 logs.txt
19) head -100 logs.txt >> logs_top_100.txt
20) tail -100 logs.txt
21) tail -100 logs.txt >> logs_bottom_100.txt
22) cat logs_top_100.txt logs_bottom_100.txt > logs_snapshot.txt
23) echo 'asurite: This is a great Assignment 01/14/21' >>
    logs_snapshot.txt
24) less logs_snapshot.txt
25) cat marks.csv | cut -d '%' -f2 | sed 1d
26) cat marks.csv | cut -d '%' -f4 | sort | sed 1d
27) cat marks.csv | cut -d '%' -f3 | sed 1d | datamash mean 1
28) cat marks.csv | cut -d '%' -f3 | sed 1d | datamash mean 1 >
    done.txt
29) mv done.txt final/
30) mv done.txt average.txt
```

Task 2

2.1

<https://github.com/svulaj/ser321-spring2022-C-svulaj>

2.2

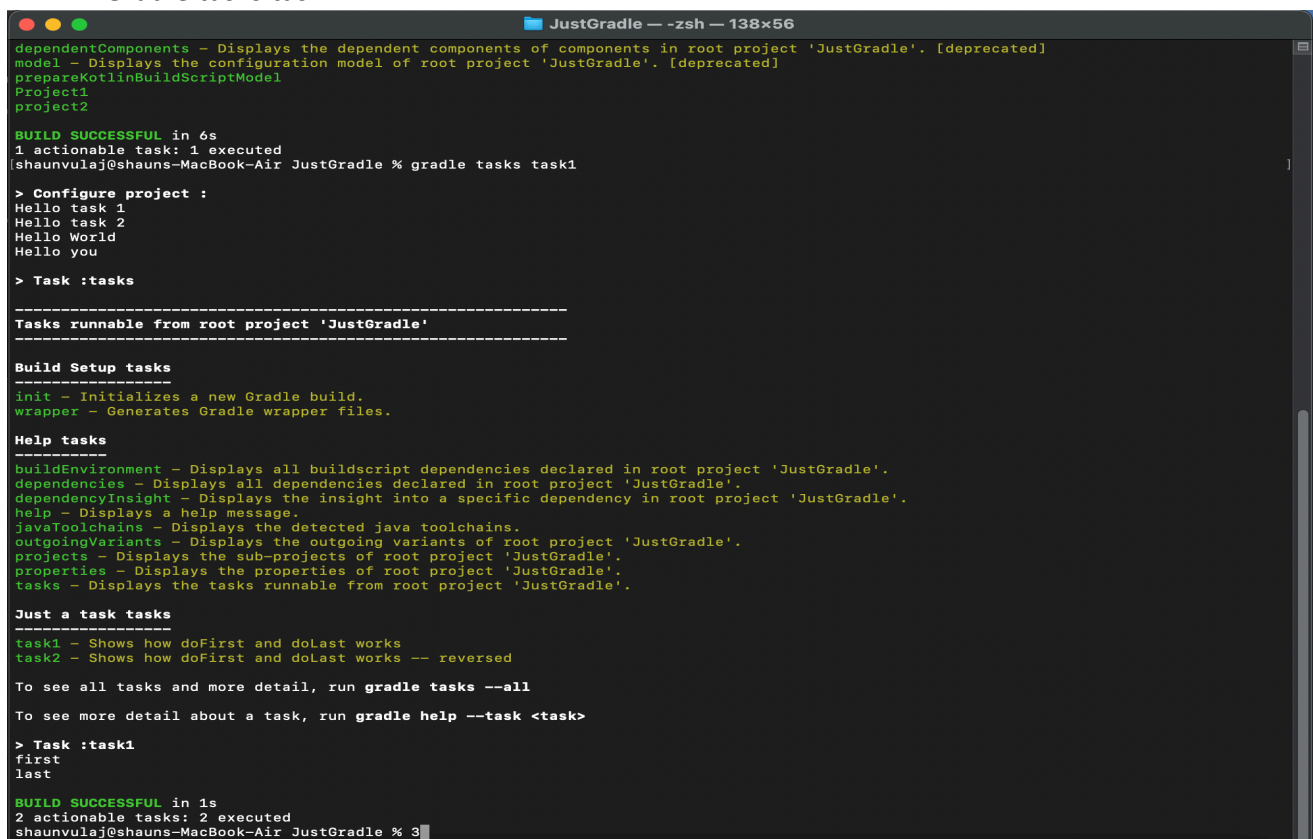
The first example I checked out was the Gradle folder. This example seems to be just a Gradle example showing you the format and what tasks are like and how Gradle feels.

Example: Gradle/justgradle

I used Commands:

Gradle tasks --all

Gradle tasks task1



```
JustGradle -- zsh -- 138x56
dependentComponents - Displays the dependent components of components in root project 'JustGradle'. [deprecated]
model - Displays the configuration model of root project 'JustGradle'. [deprecated]
prepareKotlinBuildScriptModel
Project1
project2

BUILD SUCCESSFUL in 6s
1 actionable task: 1 executed
shaunvulaj@shauns-MacBook-Air JustGradle % gradle tasks task1

> Configure project :
Hello task 1
Hello task 2
Hello World
Hello you

> Task :tasks

Tasks runnable from root project 'JustGradle'

Build Setup tasks
-----
init - Initializes a new Gradle build.
wrapper - Generates Gradle wrapper files.

Help tasks
-----
buildEnvironment - Displays all buildscript dependencies declared in root project 'JustGradle'.
dependencies - Displays all dependencies declared in root project 'JustGradle'.
dependencyInsight - Displays the insight into a specific dependency in root project 'JustGradle'.
help - Displays a help message.
javaToolchains - Displays the detected java toolchains.
outgoingVariants - Displays the outgoing variants of root project 'JustGradle'.
projects - Displays the sub-projects of root project 'JustGradle'.
properties - Displays the properties of root project 'JustGradle'.
tasks - Displays the tasks runnable from root project 'JustGradle'.

Just a task tasks
-----
task1 - Shows how doFirst and doLast works
task2 - Shows how doFirst and doLast works -- reversed

To see all tasks and more detail, run gradle tasks --all

To see more detail about a task, run gradle help --task <task>

> Task :task1
first
last

BUILD SUCCESSFUL in 1s
2 actionable tasks: 2 executed
shaunvulaj@shauns-MacBook-Air JustGradle % 3
```

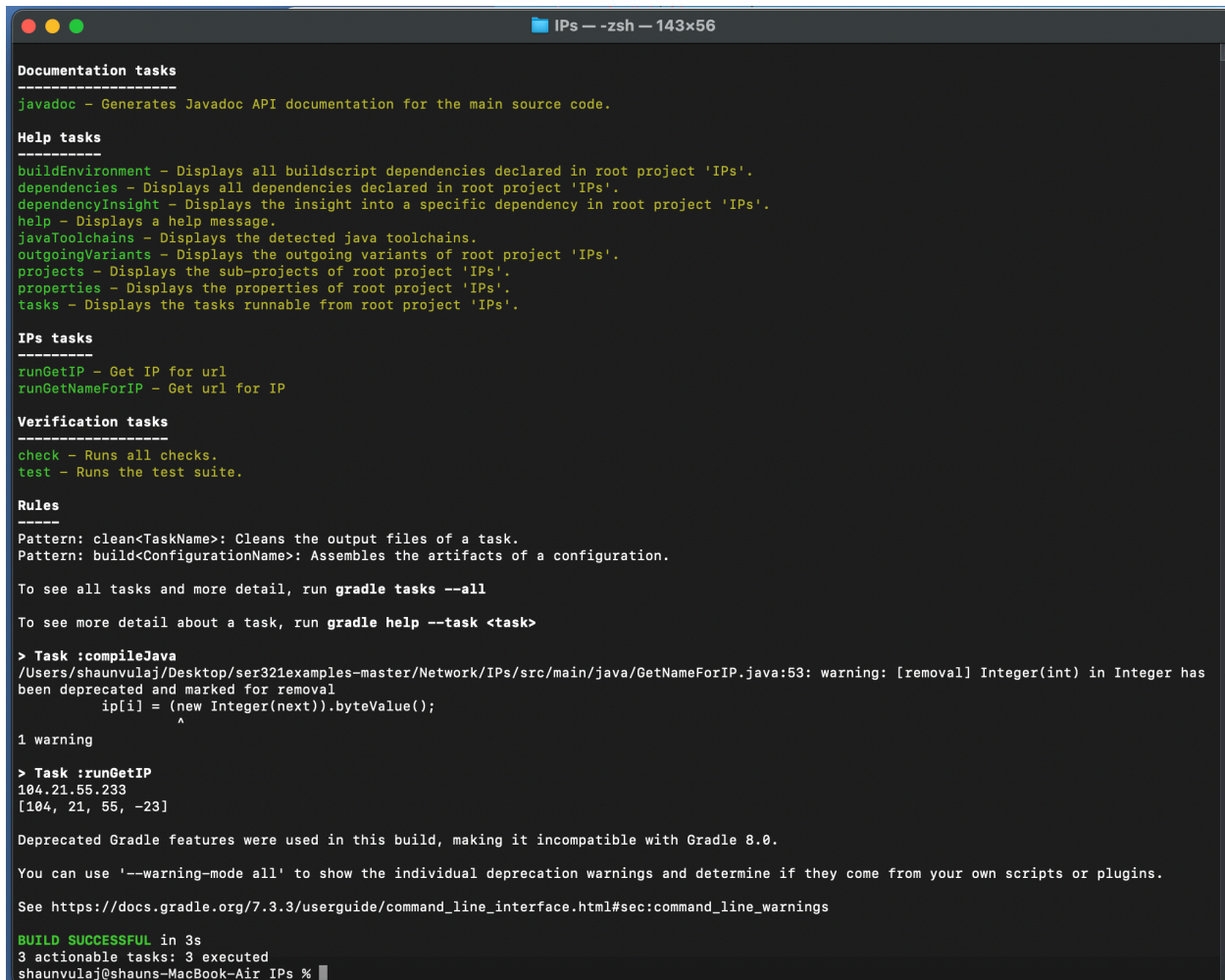
The second example I used is the networks-IP's example. This example looked like it was all about the IP side of the project. In the task I ran it appeared to just get the IP for the project.

Example: Networks/IP's

I used commands:

Gradle tasks --all

Gradle tasks runGetIP



```
IPs -- -zsh -- 143x56

Documentation tasks
-----
javadoc - Generates Javadoc API documentation for the main source code.

Help tasks
-----
buildEnvironment - Displays all buildscript dependencies declared in root project 'IPs'.
dependencies - Displays all dependencies declared in root project 'IPs'.
dependencyInsight - Displays the insight into a specific dependency in root project 'IPs'.
help - Displays a help message.
javaToolchains - Displays the detected java toolchains.
outgoingVariants - Displays the outgoing variants of root project 'IPs'.
projects - Displays the sub-projects of root project 'IPs'.
properties - Displays the properties of root project 'IPs'.
tasks - Displays the tasks runnable from root project 'IPs'.

IPs tasks
-----
runGetIP - Get IP for url
runGetNameForIP - Get url for IP

Verification tasks
-----
check - Runs all checks.
test - Runs the test suite.

Rules
-----
Pattern: clean<TaskName>: Cleans the output files of a task.
Pattern: build<ConfigurationName>: Assembles the artifacts of a configuration.

To see all tasks and more detail, run gradle tasks --all

To see more detail about a task, run gradle help --task <task>

> Task :compileJava
/Users/shaunvulaj/Desktop/ser321examples-master/Network/IPs/src/main/java/GetNameForIP.java:53: warning: [removal] Integer(int) in Integer has
been deprecated and marked for removal
    ip[i] = (new Integer(next)).byteValue();
              ^
1 warning

> Task :runGetIP
104.21.55.233
[104, 21, 55, -23]

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/7.3.3/userguide/command_line_interface.html#sec:command_line_warnings

BUILD SUCCESSFUL in 3s
3 actionable tasks: 3 executed
shaunvulaj@shauns-MacBook-Air IPs %
```

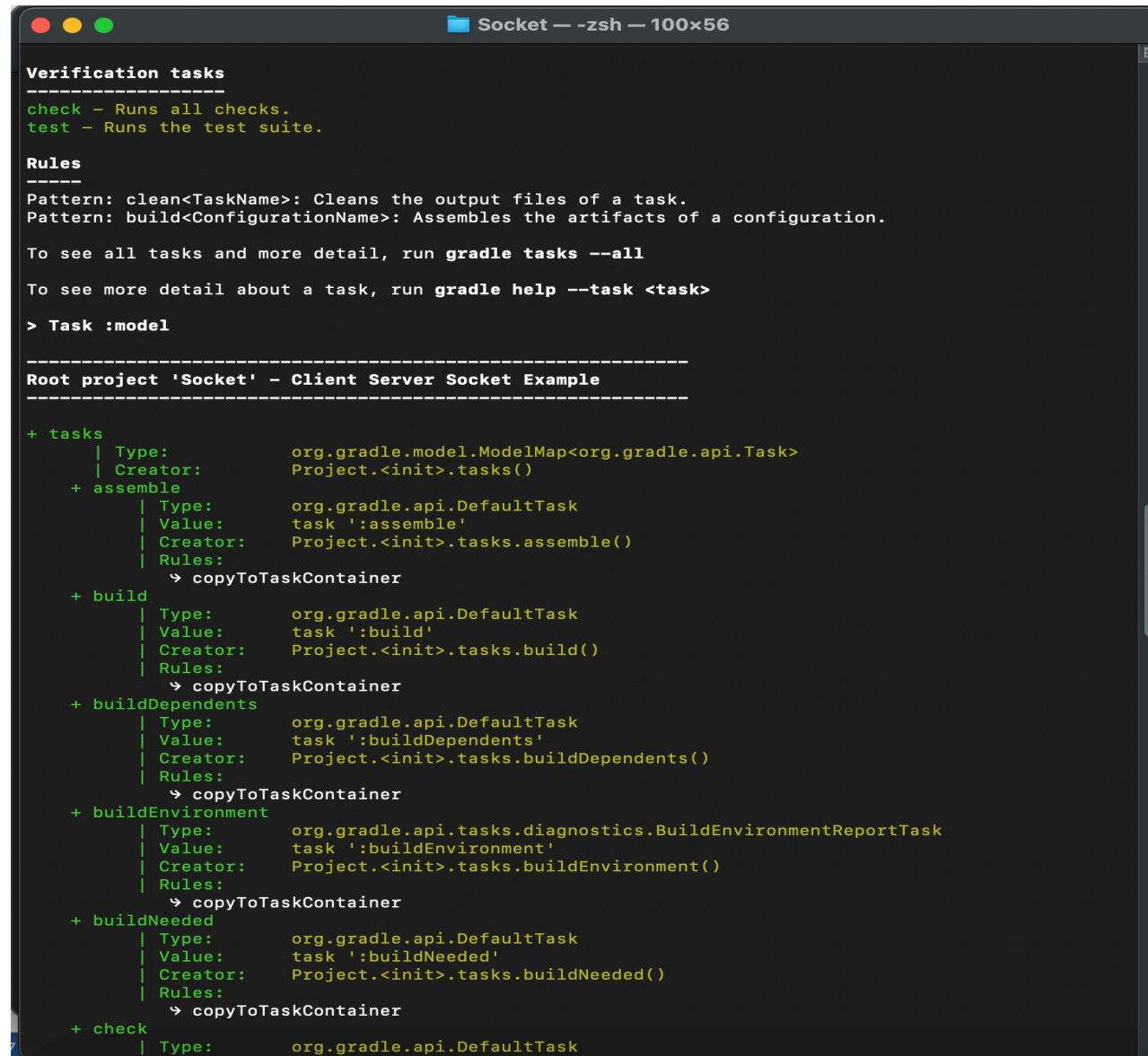
For my 3rd and final example I chose the sockets/socket example. From the looks of it this example is the portion of the project that contains all the software for the sockets in the project.

Example: Sockets/Sockets

I used commands:

Gradle tasks -all

Gradle tasks model



```
Socket - zsh - 100x56

Verification tasks
-----
check - Runs all checks.
test - Runs the test suite.

Rules
-----
Pattern: clean<TaskName>: Cleans the output files of a task.
Pattern: build<ConfigurationName>: Assembles the artifacts of a configuration.

To see all tasks and more detail, run gradle tasks --all

To see more detail about a task, run gradle help --task <task>

> Task :model

-----
Root project 'Socket' - Client Server Socket Example
-----

+ tasks
  | Type:          org.gradle.model.ModelMap<org.gradle.api.Task>
  | Creator:       Project.<init>.tasks()
+ assemble
  | Type:          org.gradle.api.DefaultTask
  | Value:         task ':assemble'
  | Creator:       Project.<init>.tasks.assemble()
  | Rules:
    ↳ copyToTaskContainer
+ build
  | Type:          org.gradle.api.DefaultTask
  | Value:         task ':build'
  | Creator:       Project.<init>.tasks.build()
  | Rules:
    ↳ copyToTaskContainer
+ buildDependents
  | Type:          org.gradle.api.DefaultTask
  | Value:         task ':buildDependents'
  | Creator:       Project.<init>.tasks.buildDependents()
  | Rules:
    ↳ copyToTaskContainer
+ buildEnvironment
  | Type:          org.gradle.api.tasks.diagnostics.BuildEnvironmentReportTask
  | Value:         task ':buildEnvironment'
  | Creator:       Project.<init>.tasks.buildEnvironment()
  | Rules:
    ↳ copyToTaskContainer
+ buildNeeded
  | Type:          org.gradle.api.DefaultTask
  | Value:         task ':buildNeeded'
  | Creator:       Project.<init>.tasks.buildNeeded()
  | Rules:
    ↳ copyToTaskContainer
+ check
  | Type:          org.gradle.api.DefaultTask
```

2.3

Java files has been modified.
Repository has in fact been copied.

2.4

<https://youtu.be/jGkIF7N7xh4>
I am using Aws for my second system.