159.251 Software Design and Construction – Tutorial 2

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1. The running Hello World project using Maven and the IDE

```
Maven
       public class Main {

y m sample_maven_project

            public static void main(String[] args) {

√ □ Lifecycle

                System.out.println("Hello World!");

    clean

  validate

                                                                                                  © compile
npile]
                             /Users/kash/Library/Java/JavaVirtualMachines/openjdk-22/Contents/Home/bin/java -Dmaven.multiModuleProjectDirectory
e]: At 2024-08-04, 1 1 sec, 844 ms
                              [INFO] Scanning for projects...
                              [INFO] Building sample_maven_project 1.0-SNAPSHOT
                              [INFO] --- resources:3.3.1:resources (default-resources) @ sample_maven_project ---
                              [INFO] Copying 0 resource from src/main/resources to target/classes
                              [INFO] --- compiler:3.11.0:compile (default-compile) @ sample_maven_project ---
                              [INFO] Compiling 1 source file with javac [debug target 22] to target/classes
                              [INFO] Total time: 0.363 s
                              [INFO] Finished at: 2024-08-04T16:34:23+12:00
```

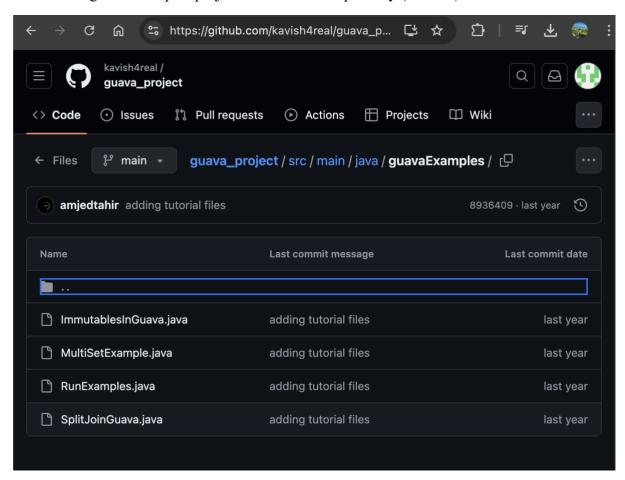
2. The running Hello World project using Maven and the terminal:

```
sample_maven_project — -zsh — 212×64
Last login: Sun Aug 4 16:42:49 on ttys000
(base) kash@Kashs-MBP ~ % cd /Users/kash/IdeaProjects/sample_maven_project
(base) kash@Kashs-MBP sample_maven_project % mvn compile
  [NFO] Scanning for projects...
 INFO] from pom.xml
                        ----[ jar ]---
INFO] --- resources: 3.3.1:resources (default-resources) @ sample_maven_project ---
INFO] Copying 0 resource from src/main/resources to target/classes
 INFO] --- compiler:3.13.0:compile (default-compile) @ sample_maven_project --- INFO] Nothing to compile - all classes are up to date.
       BUILD SUCCESS
   F0] Total time: 0.215 s
F0] Finished at: 2024-08-04T17:26:17+12:00
(base) kash@Kashs-MBP sample_maven_project % mvn exec:java -Dexec.mainClass=Main
[INFO] Scanning for projects...
[INFO] --- exec:3.3.0:java (default-cli) @ sample_maven_project ---
Hello World!
  NFO] BUILD SUCCESS
[INFO] Total time: 0.200 s
[INFO] Finished at: 2024-08-04T17:28:32+12:00
(base) kash@Kashs-MBP sample_maven_project %
```

3. The running guavaExamples in the terminal:

```
| Manufacility for central https://cop.aure.socia.com/nave/len/geopic/f200jc/j200jc/paostan.nav.A.e/f200jc/paostan.nav.A.e/f200jc/paostan.nav.A.e/f200jc/paostan.nav.A.e/f200jc/paostan.nav.A.e/f200jc/paostan.nav.A.e/f200jc/paostan.nav.A.e/f200jc/paostan.nav.A.e/f200jc/paostan.nav.A.e/f200jc/paostan.nav.A.e/f200jc/paostan.nav.A.e/f200jc/paostan.nav.A.e/f200jc/paostan.nav.A.e/f200jc/paostan.nav.A.e/f200jc/paostan.nav.A.e/f200jc/paostan.nav.A.e/f200jc/paostan.nav.A.e/f200jc/paostan.nav.A.e/f200jc/paostan.nav.A.e/f200jc/paostan.nav.A.e/f200jc/paostan.nav.A.e/f200jc/paostan.nav.A.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan.nav.a.e/f200jc/paostan
```

4. The guavaExamples project in the remote repository (GitHub)



URL: https://github.com/kavish4real/guava_project