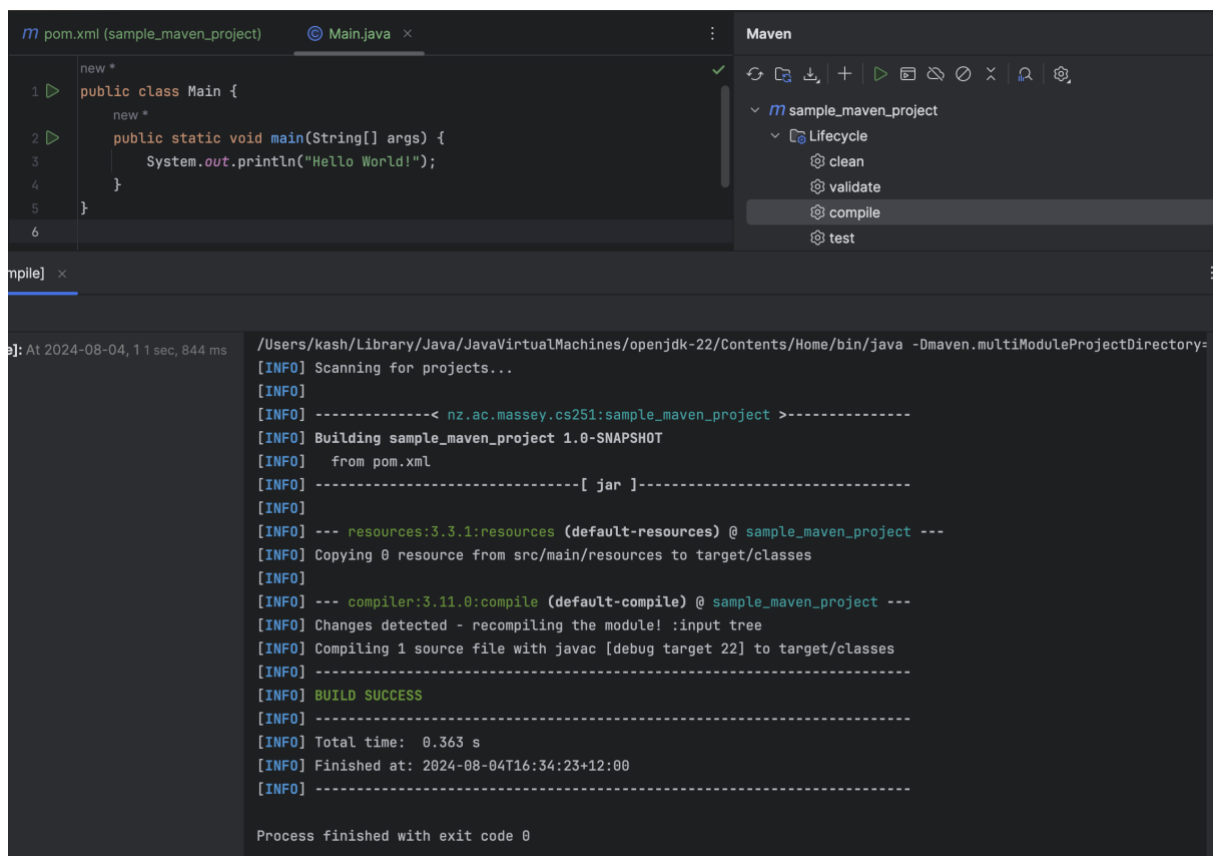# 159.251 Software Design and Construction – Tutorial 2

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

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


```
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
[INFO] Scanning for projects...
[INFO]
[INFO] ----------------< nz.ac.massey.cs251:sample_maven_project >----------------
[INFO] Building sample_maven_project 1.0-SNAPSHOT
[INFO]   from pom.xml
[INFO] --------------------------------[ jar ]---------------------------------
[INFO]
[INFO] --- resources:3.3.1:resources (default-resources) @ sample_maven_project ---
[INFO] Copying 0 resource from src/main/resources to target/classes
[INFO]
[INFO] --- compiler:3.13.0:compile (default-compile) @ sample_maven_project ---
[INFO] Nothing to compile - all classes are up to date.
[INFO] ------------------------------------------------------------------------
[INFO] BUILD SUCCESS
[INFO] ------------------------------------------------------------------------
[INFO] Total time:  0.215 s
[INFO] Finished at: 2024-08-04T17:26:17+12:00
[INFO] ------------------------------------------------------------------------
(base) kash@Kashs-MBP sample_maven_project % mvn exec:java -Dexec.mainClass=Main

[INFO] Scanning for projects...
[INFO]
[INFO] ----------------< nz.ac.massey.cs251:sample_maven_project >----------------
[INFO] Building sample_maven_project 1.0-SNAPSHOT
[INFO]   from pom.xml
[INFO] --------------------------------[ jar ]---------------------------------
[INFO]
[INFO] --- exec:3.3.0:java (default-cli) @ sample_maven_project ---
Hello World!
[INFO] ------------------------------------------------------------------------
[INFO] BUILD SUCCESS
[INFO] ------------------------------------------------------------------------
[INFO] Total time:  0.200 s
[INFO] Finished at: 2024-08-04T17:28:32+12:00
[INFO] ------------------------------------------------------------------------
(base) kash@Kashs-MBP sample_maven_project %
```
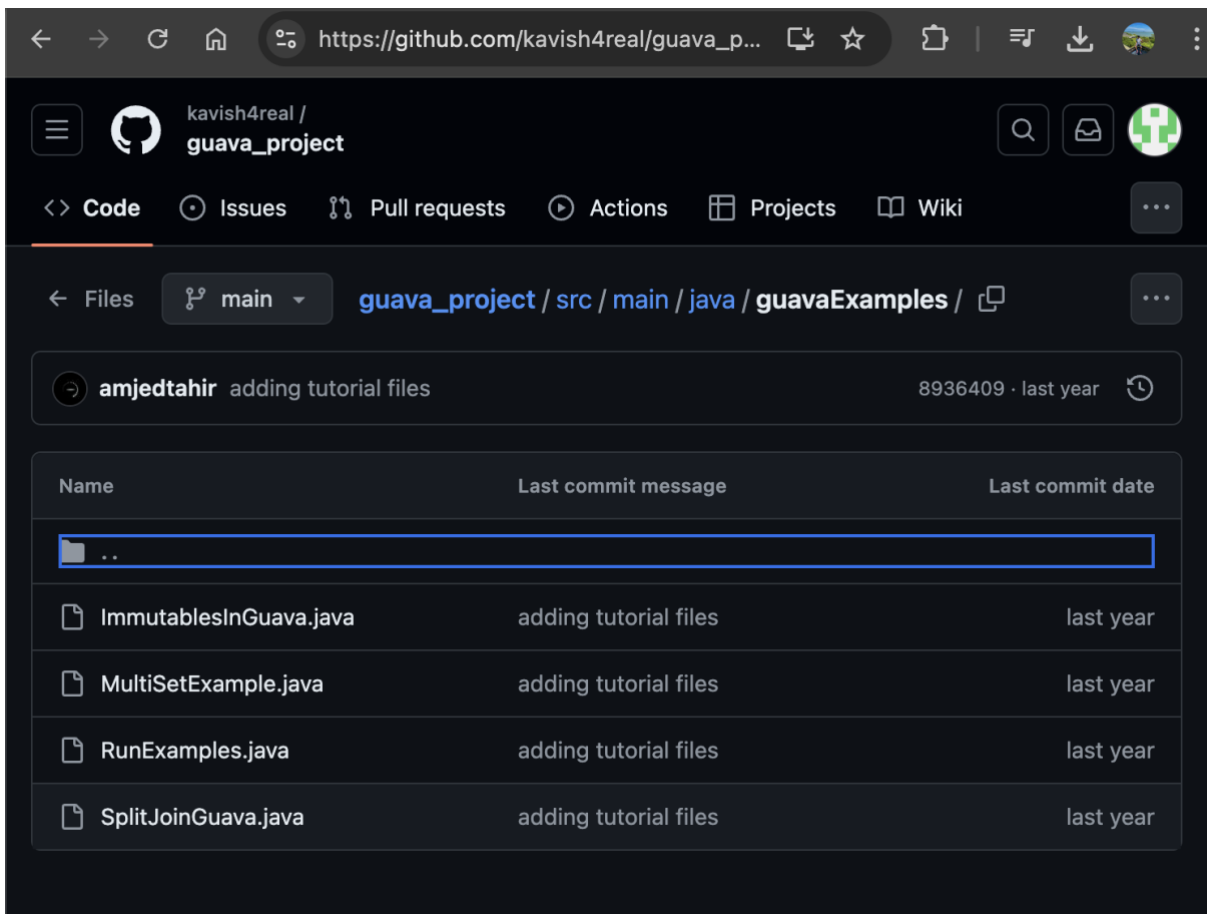
3. The running guavaExamples in the terminal:

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

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