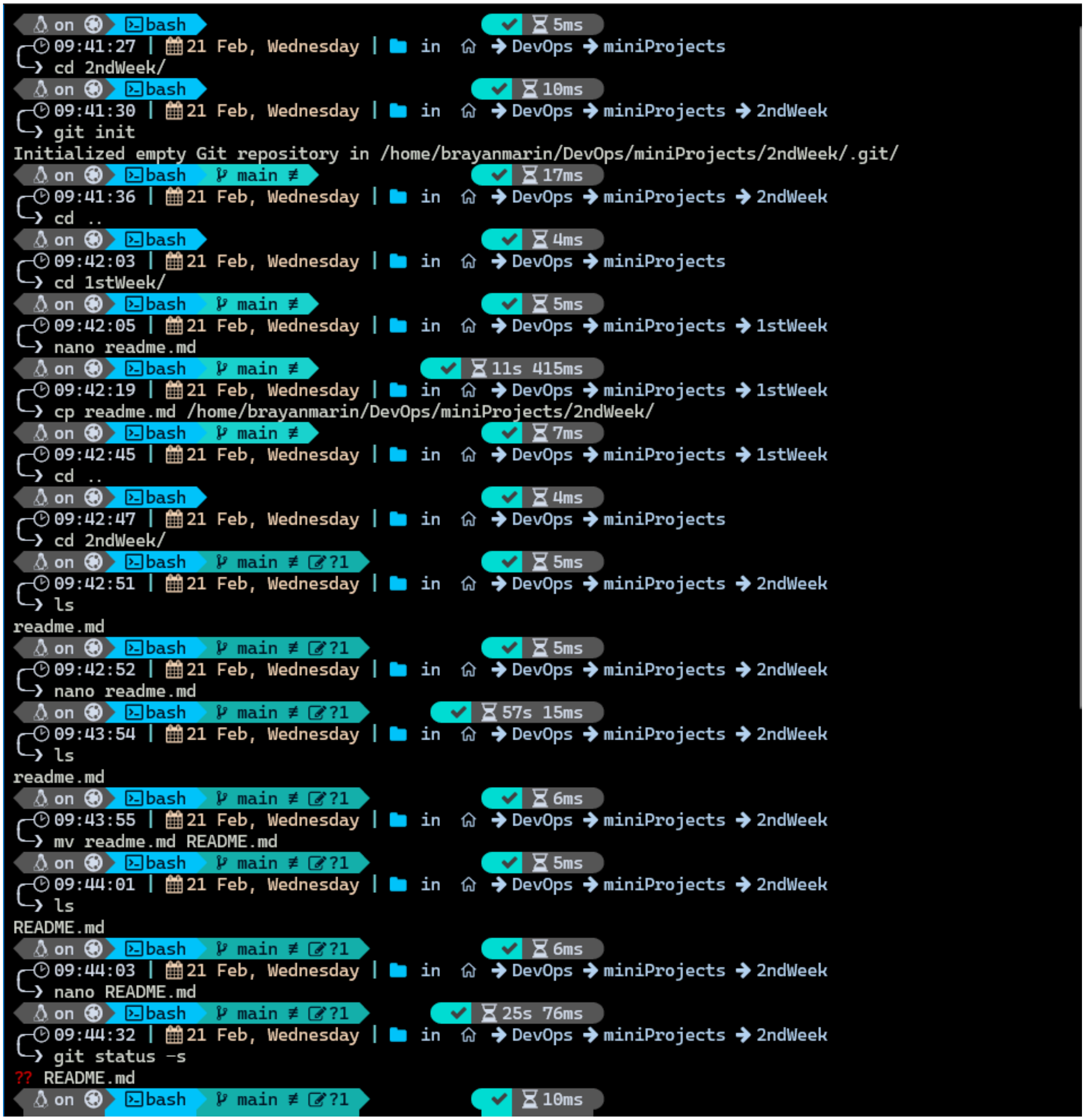
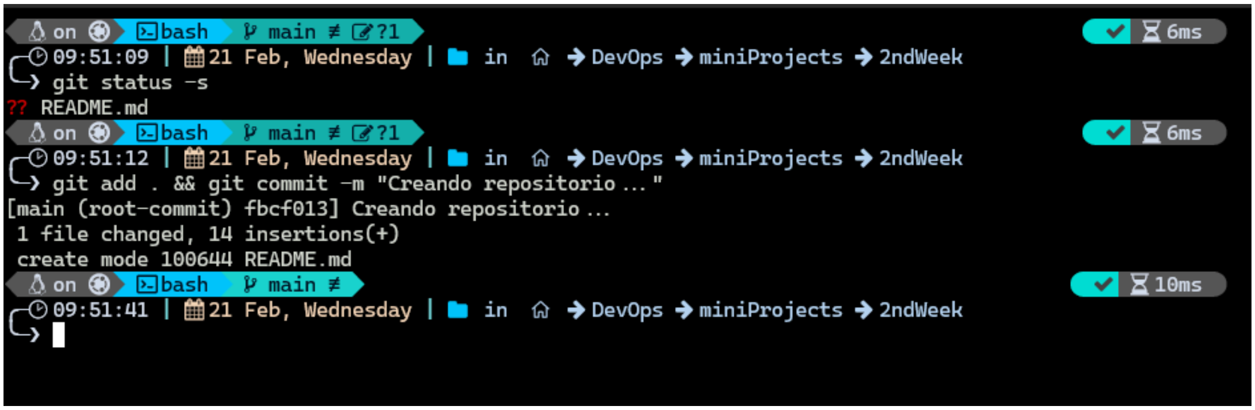
NOTE: I’m using wsl, so all commands are coming from there.

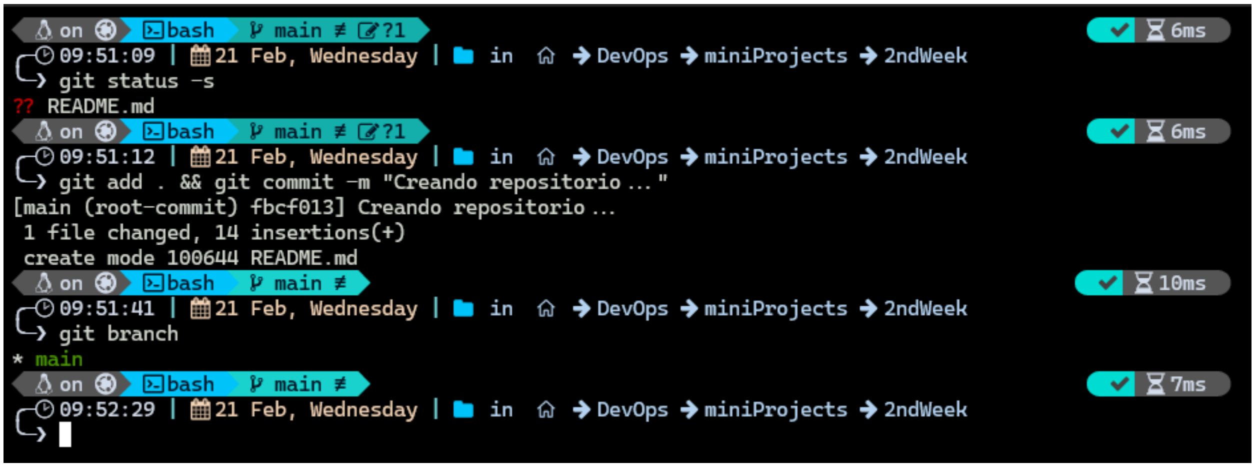
Create the folder, and initialize the repository:



```
 on  bash                                        ✓  5ms
╭ 09:41:27 | 21 Feb, Wednesday |  in  ⌂ → DevOps → miniProjects
╰› cd 2ndWeek/
 on  bash                                       ✓  10ms
╭ 09:41:30 | 21 Feb, Wednesday |  in  ⌂ → DevOps → miniProjects → 2ndWeek
╰› git init
Initialized empty Git repository in /home/brayanmarin/DevOps/miniProjects/2ndWeek/.git/
 on  bash   main ≢                              ✓  17ms
╭ 09:41:36 | 21 Feb, Wednesday |  in  ⌂ → DevOps → miniProjects → 2ndWeek
╰› cd ..
 on  bash                                        ✓  4ms
╭ 09:42:03 | 21 Feb, Wednesday |  in  ⌂ → DevOps → miniProjects
╰› cd 1stWeek/
 on  bash   main ≢                               ✓  5ms
╭ 09:42:05 | 21 Feb, Wednesday |  in  ⌂ → DevOps → miniProjects → 1stWeek
╰› nano readme.md
 on  bash   main ≢                          ✓  11s 415ms
╭ 09:42:19 | 21 Feb, Wednesday |  in  ⌂ → DevOps → miniProjects → 1stWeek
╰› cp readme.md /home/brayanmarin/DevOps/miniProjects/2ndWeek/
 on  bash   main ≢                               ✓  7ms
╭ 09:42:45 | 21 Feb, Wednesday |  in  ⌂ → DevOps → miniProjects → 1stWeek
╰› cd ..
 on  bash                                        ✓  4ms
╭ 09:42:47 | 21 Feb, Wednesday |  in  ⌂ → DevOps → miniProjects
╰› cd 2ndWeek/
 on  bash   main ≢  ?1                           ✓  5ms
╭ 09:42:51 | 21 Feb, Wednesday |  in  ⌂ → DevOps → miniProjects → 2ndWeek
╰› ls
readme.md
 on  bash   main ≢  ?1                           ✓  5ms
╭ 09:42:52 | 21 Feb, Wednesday |  in  ⌂ → DevOps → miniProjects → 2ndWeek
╰› nano readme.md
 on  bash   main ≢  ?1                       ✓  57s 15ms
╭ 09:43:54 | 21 Feb, Wednesday |  in  ⌂ → DevOps → miniProjects → 2ndWeek
╰› ls
readme.md
 on  bash   main ≢  ?1                           ✓  6ms
╭ 09:43:55 | 21 Feb, Wednesday |  in  ⌂ → DevOps → miniProjects → 2ndWeek
╰› mv readme.md README.md
 on  bash   main ≢  ?1                           ✓  5ms
╭ 09:44:01 | 21 Feb, Wednesday |  in  ⌂ → DevOps → miniProjects → 2ndWeek
╰› ls
README.md
 on  bash   main ≢  ?1                           ✓  6ms
╭ 09:44:03 | 21 Feb, Wednesday |  in  ⌂ → DevOps → miniProjects → 2ndWeek
╰› nano README.md
 on  bash   main ≢  ?1                       ✓  25s 76ms
╭ 09:44:32 | 21 Feb, Wednesday |  in  ⌂ → DevOps → miniProjects → 2ndWeek
╰› git status -s
?? README.md
 on  bash   main ≢  ?1                          ✓  10ms
```

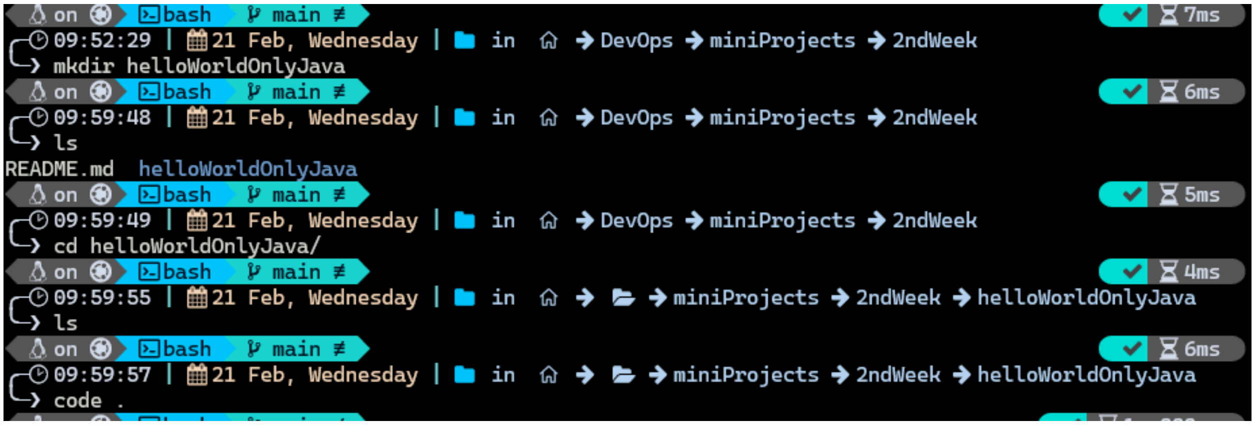


```
 on  bash  main ≢ ?1                                                   ✓ ⌛6ms
╭ 09:51:09 | 21 Feb, Wednesday |  in  → DevOps → miniProjects → 2ndWeek
╰› git status -s
?? README.md
 on  bash  main ≢ ?1                                                   ✓ ⌛6ms
╭ 09:51:12 | 21 Feb, Wednesday |  in  → DevOps → miniProjects → 2ndWeek
╰› git add . && git commit -m "Creando repositorio ... "
[main (root-commit) fbcf013] Creando repositorio ...
 1 file changed, 14 insertions(+)
 create mode 100644 README.md
 on  bash  main ≢                                                      ✓ ⌛10ms
╭ 09:51:41 | 21 Feb, Wednesday |  in  → DevOps → miniProjects → 2ndWeek
╰› █
```

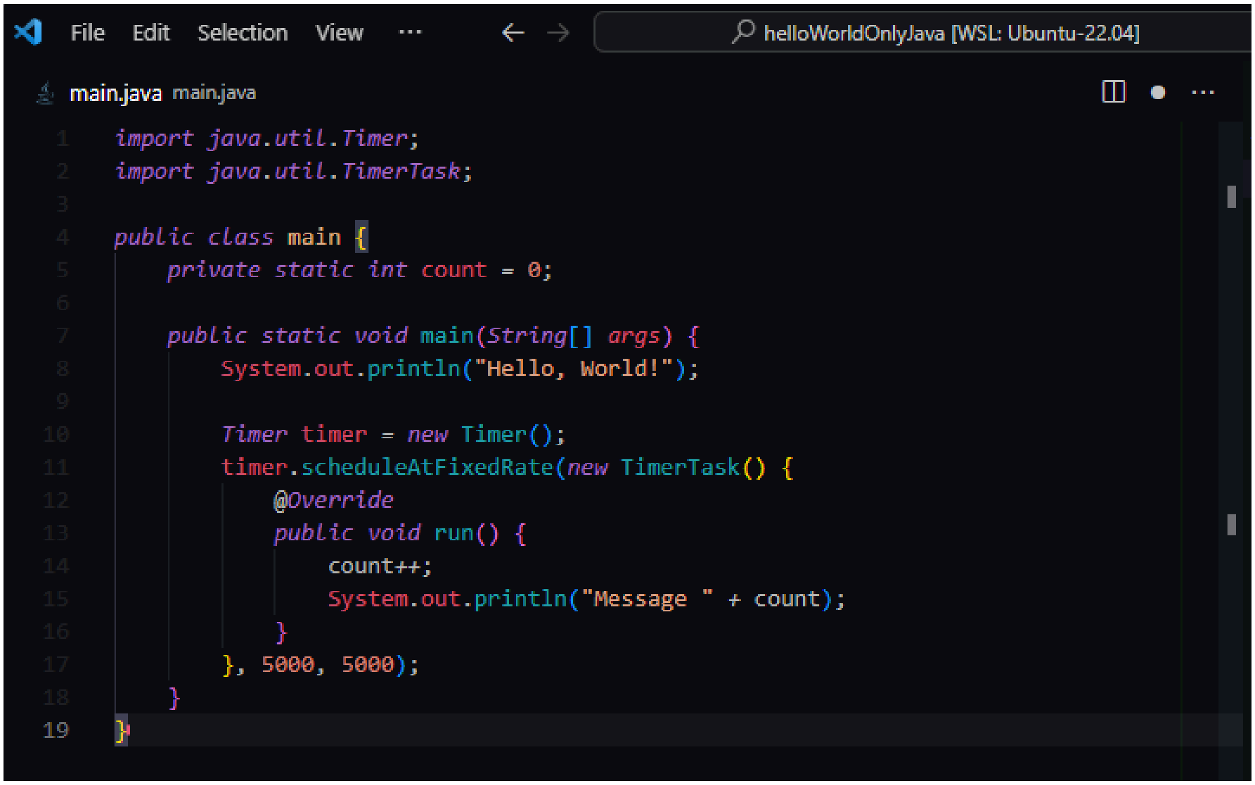


```
 on  bash  main ≢ ?1                                                   ✓ ⌛6ms
╭ 09:51:09 | 21 Feb, Wednesday |  in  → DevOps → miniProjects → 2ndWeek
╰› git status -s
?? README.md
 on  bash  main ≢ ?1                                                   ✓ ⌛6ms
╭ 09:51:12 | 21 Feb, Wednesday |  in  → DevOps → miniProjects → 2ndWeek
╰› git add . && git commit -m "Creando repositorio ... "
[main (root-commit) fbcf013] Creando repositorio ...
 1 file changed, 14 insertions(+)
 create mode 100644 README.md
 on  bash  main ≢                                                      ✓ ⌛10ms
╭ 09:51:41 | 21 Feb, Wednesday |  in  → DevOps → miniProjects → 2ndWeek
╰› git branch
* main
 on  bash  main ≢                                                      ✓ ⌛7ms
╭ 09:52:29 | 21 Feb, Wednesday |  in  → DevOps → miniProjects → 2ndWeek
╰› █
```

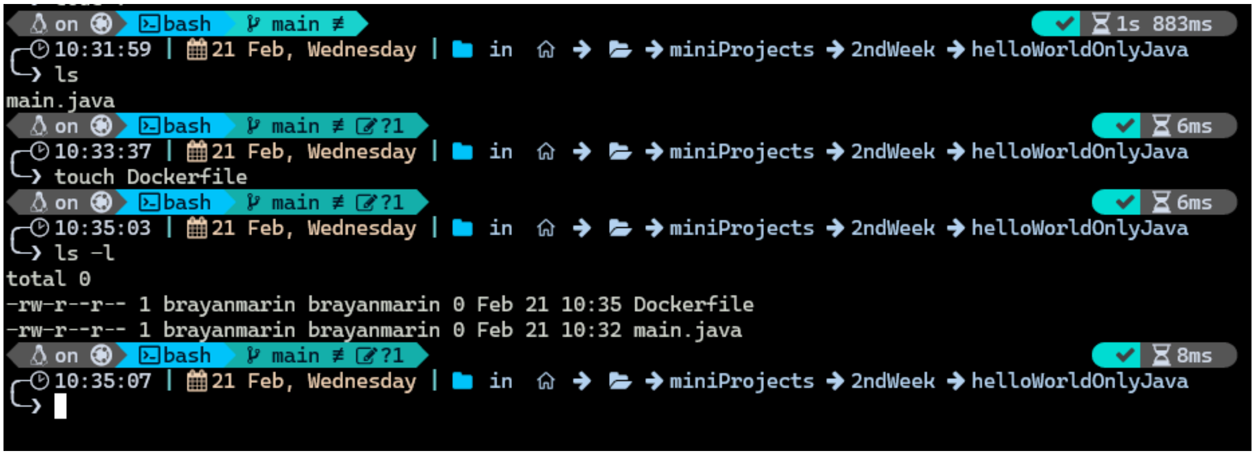
Part 1: Java, Use a Dockerfile to deploy a container with a hello world in java



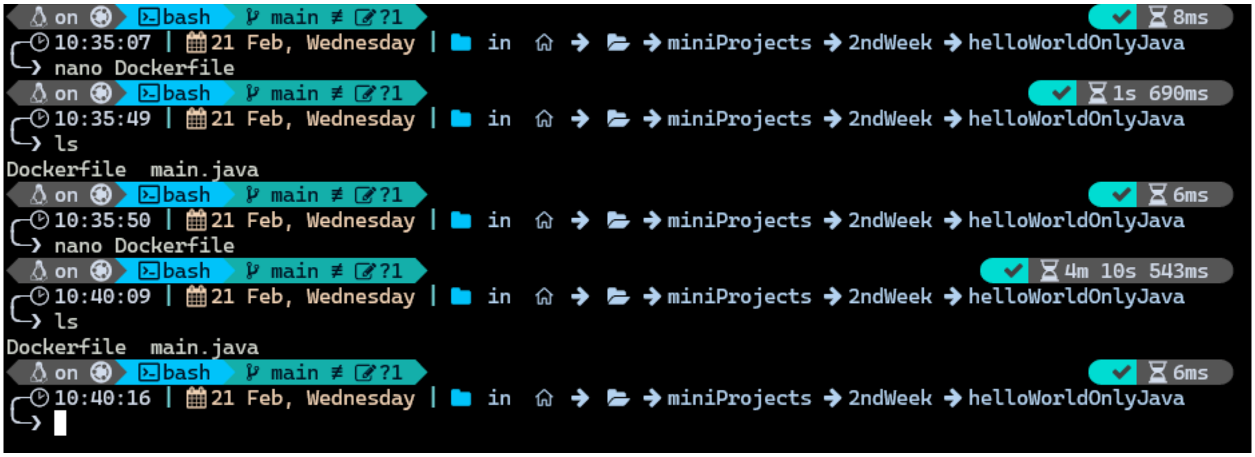
```
 on  bash  main ≠                                                    ✓  7ms
╭ 09:52:29 | 21 Feb, Wednesday |  in  → DevOps → miniProjects → 2ndWeek
╰› mkdir helloWorldOnlyJava
 on  bash  main ≠                                                    ✓  6ms
╭ 09:59:48 | 21 Feb, Wednesday |  in  → DevOps → miniProjects → 2ndWeek
╰› ls
README.md  helloWorldOnlyJava
 on  bash  main ≠                                                    ✓  5ms
╭ 09:59:49 | 21 Feb, Wednesday |  in  → DevOps → miniProjects → 2ndWeek
╰› cd helloWorldOnlyJava/
 on  bash  main ≠                                                    ✓  4ms
╭ 09:59:55 | 21 Feb, Wednesday |  in  →  → miniProjects → 2ndWeek → helloWorldOnlyJava
╰› ls
 on  bash  main ≠                                                    ✓  6ms
╭ 09:59:57 | 21 Feb, Wednesday |  in  →  → miniProjects → 2ndWeek → helloWorldOnlyJava
╰› code .
```



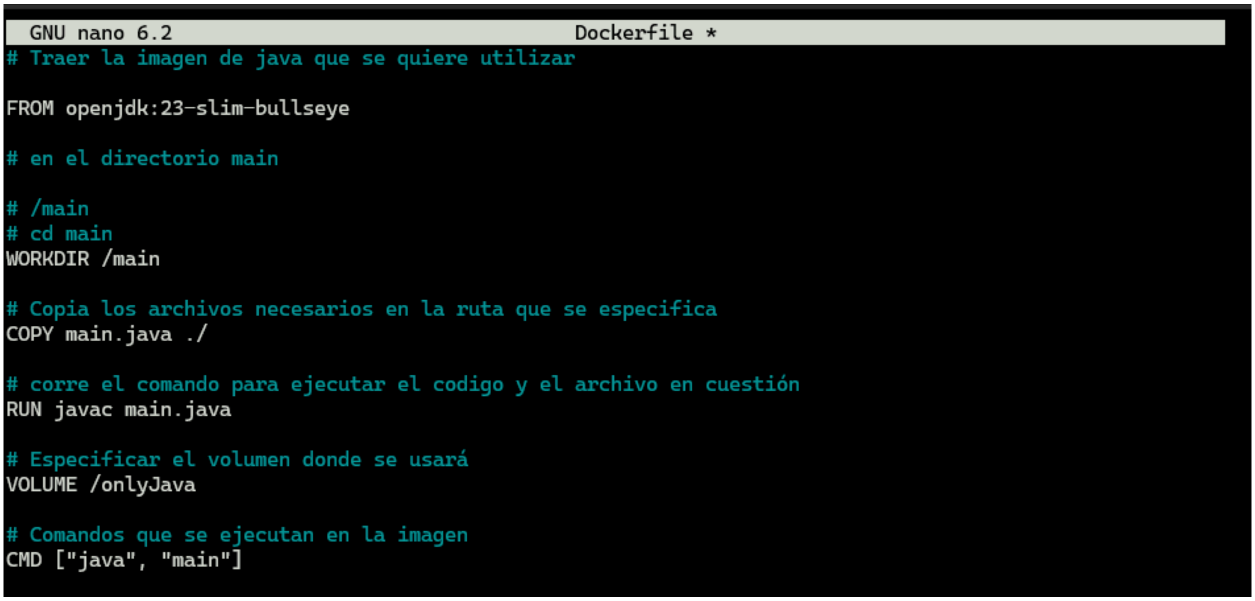
```java
import java.util.Timer;
import java.util.TimerTask;

public class main {
    private static int count = 0;

    public static void main(String[] args) {
        System.out.println("Hello, World!");

        Timer timer = new Timer();
        timer.scheduleAtFixedRate(new TimerTask() {
            @Override
            public void run() {
                count++;
                System.out.println("Message " + count);
            }
        }, 5000, 5000);
    }
}
```



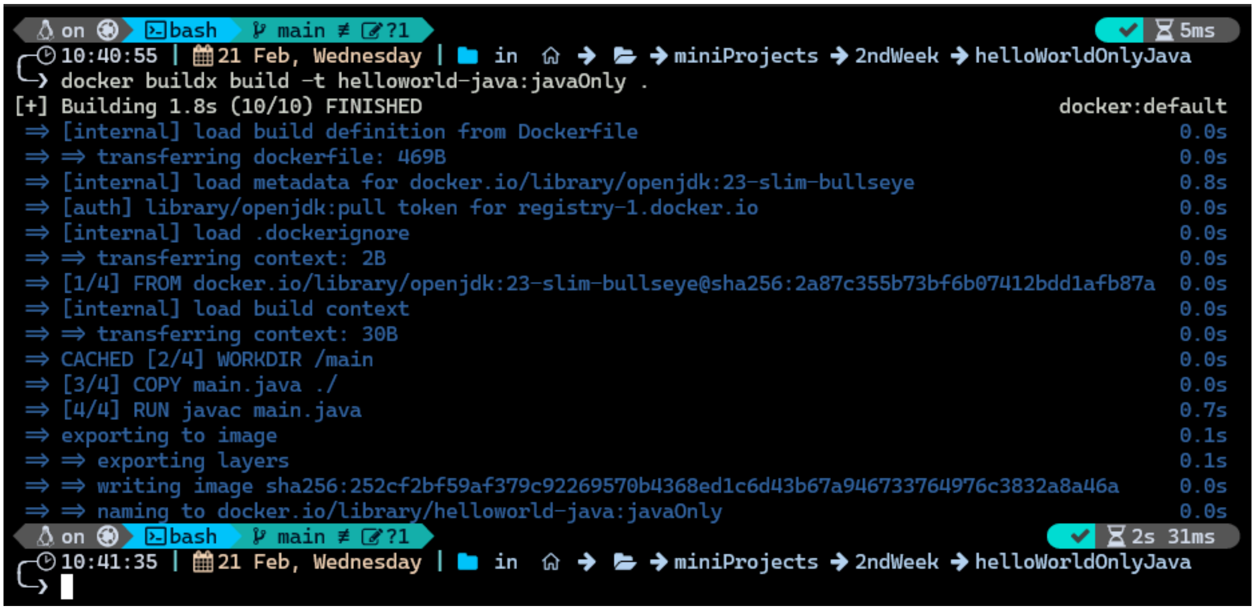
```
 on  bash  main ≢                                                      ✓ ⌛1s 883ms
╭10:31:59 | 21 Feb, Wednesday |  in  ⌂ →  → miniProjects → 2ndWeek → helloWorldOnlyJava
╰› ls
main.java
 on  bash  main ≢ ?1                                                    ✓ ⌛6ms
╭10:33:37 | 21 Feb, Wednesday |  in  ⌂ →  → miniProjects → 2ndWeek → helloWorldOnlyJava
╰› touch Dockerfile
 on  bash  main ≢ ?1                                                    ✓ ⌛6ms
╭10:35:03 | 21 Feb, Wednesday |  in  ⌂ →  → miniProjects → 2ndWeek → helloWorldOnlyJava
╰› ls -l
total 0
-rw-r--r-- 1 brayanmarin brayanmarin 0 Feb 21 10:35 Dockerfile
-rw-r--r-- 1 brayanmarin brayanmarin 0 Feb 21 10:32 main.java
 on  bash  main ≢ ?1                                                    ✓ ⌛8ms
╭10:35:07 | 21 Feb, Wednesday |  in  ⌂ →  → miniProjects → 2ndWeek → helloWorldOnlyJava
╰› █
```



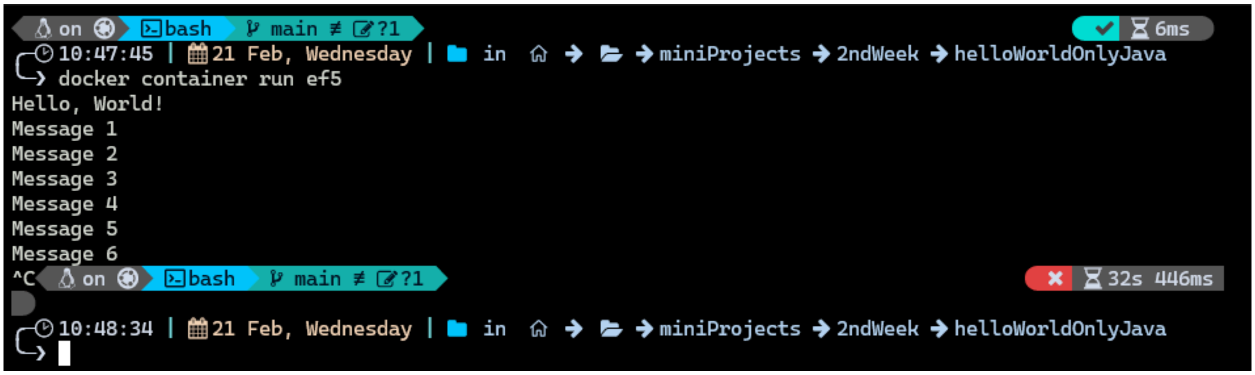
```
 on  bash  main ≢ ?1                                                    ✓ ⌛8ms
╭10:35:07 | 21 Feb, Wednesday |  in  ⌂ →  → miniProjects → 2ndWeek → helloWorldOnlyJava
╰› nano Dockerfile
 on  bash  main ≢ ?1                                                    ✓ ⌛1s 690ms
╭10:35:49 | 21 Feb, Wednesday |  in  ⌂ →  → miniProjects → 2ndWeek → helloWorldOnlyJava
╰› ls
Dockerfile  main.java
 on  bash  main ≢ ?1                                                    ✓ ⌛6ms
╭10:35:50 | 21 Feb, Wednesday |  in  ⌂ →  → miniProjects → 2ndWeek → helloWorldOnlyJava
╰› nano Dockerfile
 on  bash  main ≢ ?1                                                    ✓ ⌛4m 10s 543ms
╭10:40:09 | 21 Feb, Wednesday |  in  ⌂ →  → miniProjects → 2ndWeek → helloWorldOnlyJava
╰› ls
Dockerfile  main.java
 on  bash  main ≢ ?1                                                    ✓ ⌛6ms
╭10:40:16 | 21 Feb, Wednesday |  in  ⌂ →  → miniProjects → 2ndWeek → helloWorldOnlyJava
╰› █
```



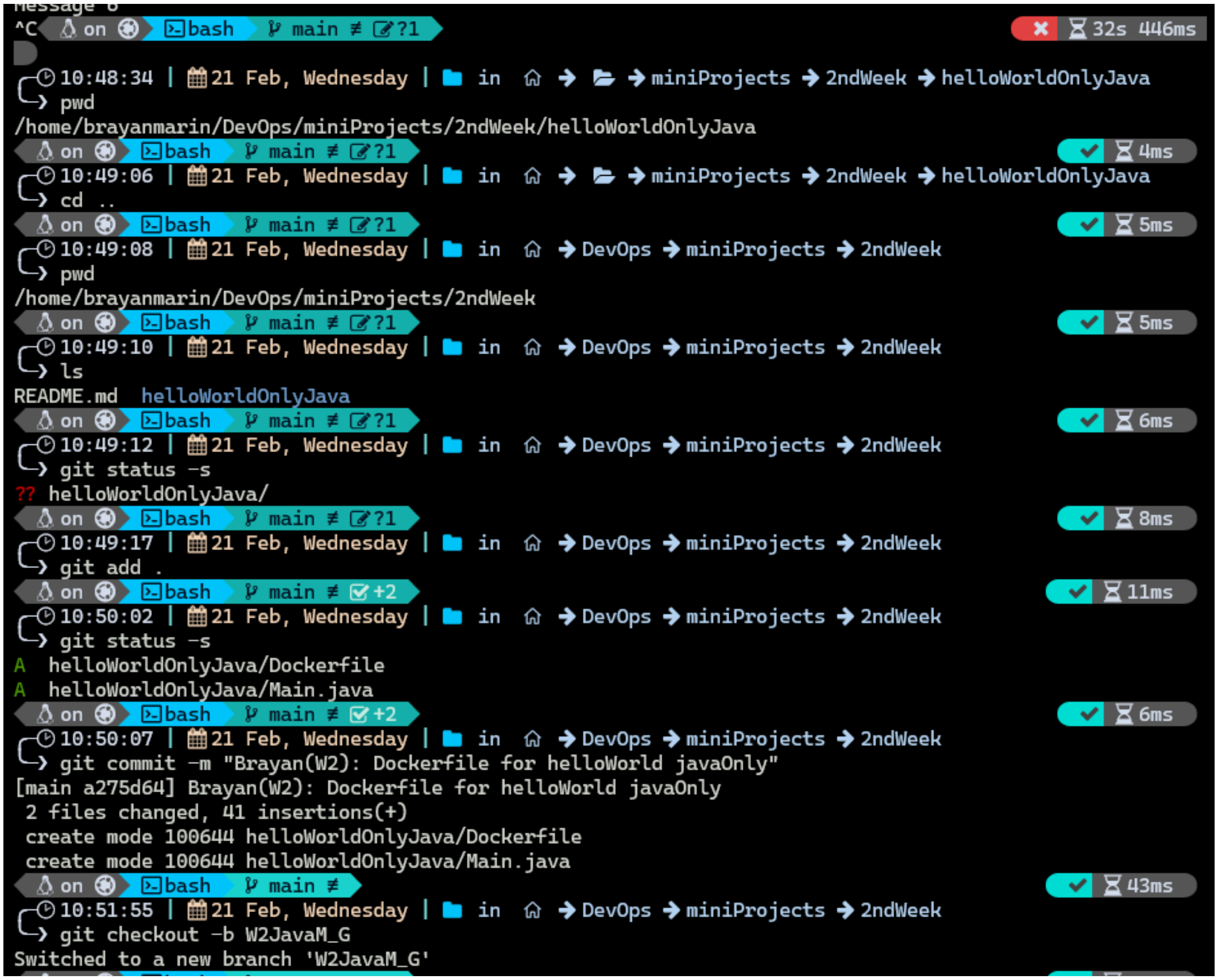
```
  GNU nano 6.2                                Dockerfile *
# Traer la imagen de java que se quiere utilizar

FROM openjdk:23-slim-bullseye

# en el directorio main

# /main
# cd main
WORKDIR /main

# Copia los archivos necesarios en la ruta que se especifica
COPY main.java ./

# corre el comando para ejecutar el codigo y el archivo en cuestión
RUN javac main.java

# Especificar el volumen donde se usará
VOLUME /onlyJava

# Comandos que se ejecutan en la imagen
CMD ["java", "main"]
```



```
 on  bash  main ≢ ?1                                                     ✓  5ms
╭─ 10:40:55 | 21 Feb, Wednesday |  in  →  → miniProjects → 2ndWeek → helloWorldOnlyJava
╰─› docker buildx build -t helloworld-java:javaOnly .
[+] Building 1.8s (10/10) FINISHED                                              docker:default
 ⇒ [internal] load build definition from Dockerfile                                       0.0s
 ⇒ ⇒ transferring dockerfile: 469B                                                        0.0s
 ⇒ [internal] load metadata for docker.io/library/openjdk:23-slim-bullseye                0.8s
 ⇒ [auth] library/openjdk:pull token for registry-1.docker.io                             0.0s
 ⇒ [internal] load .dockerignore                                                          0.0s
 ⇒ ⇒ transferring context: 2B                                                             0.0s
 ⇒ [1/4] FROM docker.io/library/openjdk:23-slim-bullseye@sha256:2a87c355b73bf6b07412bdd1afb87a 0.0s
 ⇒ [internal] load build context                                                          0.0s
 ⇒ ⇒ transferring context: 30B                                                            0.0s
 ⇒ CACHED [2/4] WORKDIR /main                                                             0.0s
 ⇒ [3/4] COPY main.java ./                                                                0.0s
 ⇒ [4/4] RUN javac main.java                                                              0.7s
 ⇒ exporting to image                                                                     0.1s
 ⇒ ⇒ exporting layers                                                                     0.1s
 ⇒ ⇒ writing image sha256:252cf2bf59af379c92269570b4368ed1c6d43b67a946733764976c3832a8a46a 0.0s
 ⇒ ⇒ naming to docker.io/library/helloworld-java:javaOnly                                 0.0s
 on  bash  main ≢ ?1                                                  ✓  2s 31ms
╭─ 10:41:35 | 21 Feb, Wednesday |  in  →  → miniProjects → 2ndWeek → helloWorldOnlyJava
╰─› 
```

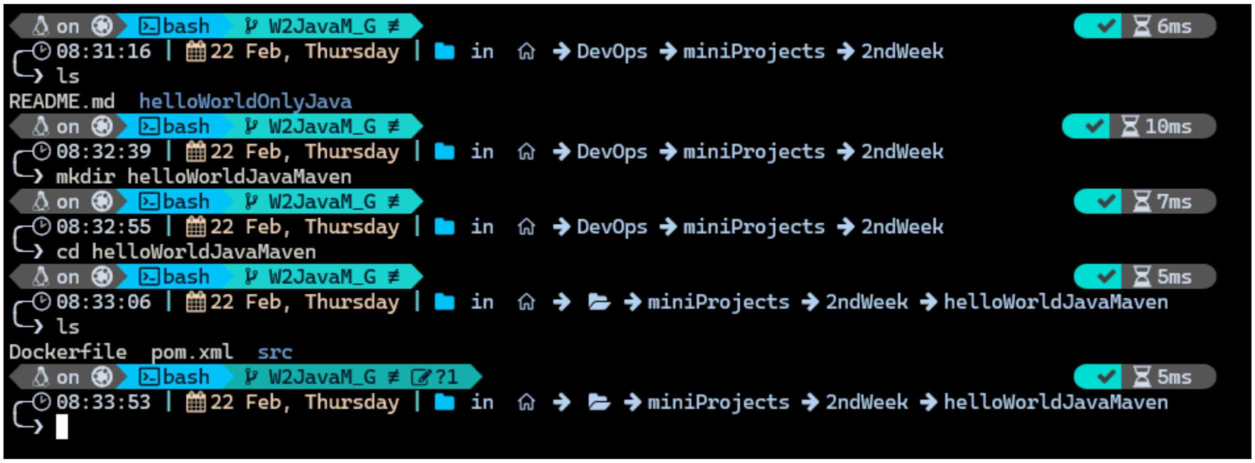


```
 on  bash  main ≢ ?1                                                   ✓  6ms
╭─ 10:47:45 | 21 Feb, Wednesday |  in  →  → miniProjects → 2ndWeek → helloWorldOnlyJava
╰─› docker container run ef5
Hello, World!
Message 1
Message 2
Message 3
Message 4
Message 5
Message 6
^C on  bash  main ≢ ?1                                           ✖  32s 446ms

╭─ 10:48:34 | 21 Feb, Wednesday |  in  →  → miniProjects → 2ndWeek → helloWorldOnlyJava
╰─› 
```

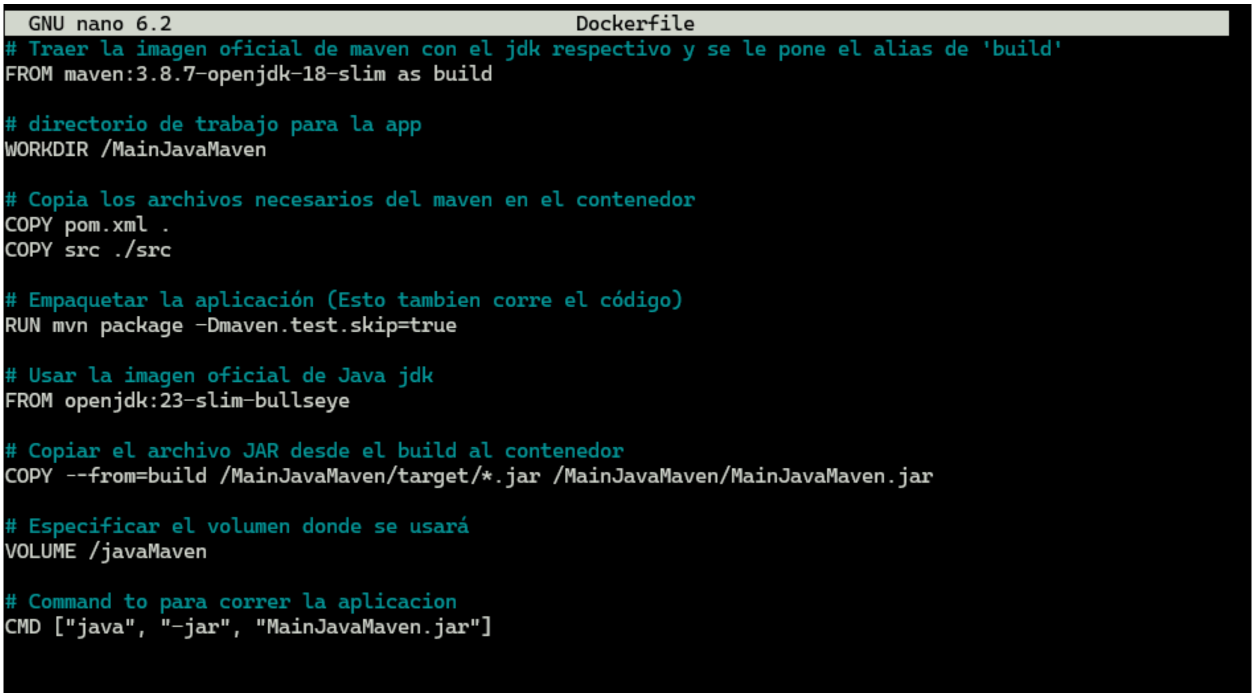


```
message 6
^C on  bash  main ≠ ?1                                              ✖ 32s 446ms

╭ 10:48:34 | 21 Feb, Wednesday | in ⌂ → → miniProjects → 2ndWeek → helloWorldOnlyJava
╰❯ pwd
/home/brayanmarin/DevOps/miniProjects/2ndWeek/helloWorldOnlyJava
 on  bash  main ≠ ?1                                                  ✓ 4ms
╭ 10:49:06 | 21 Feb, Wednesday | in ⌂ → → miniProjects → 2ndWeek → helloWorldOnlyJava
╰❯ cd ..
 on  bash  main ≠ ?1                                                  ✓ 5ms
╭ 10:49:08 | 21 Feb, Wednesday | in ⌂ → DevOps → miniProjects → 2ndWeek
╰❯ pwd
/home/brayanmarin/DevOps/miniProjects/2ndWeek
 on  bash  main ≠ ?1                                                  ✓ 5ms
╭ 10:49:10 | 21 Feb, Wednesday | in ⌂ → DevOps → miniProjects → 2ndWeek
╰❯ ls
README.md  helloWorldOnlyJava
 on  bash  main ≠ ?1                                                  ✓ 6ms
╭ 10:49:12 | 21 Feb, Wednesday | in ⌂ → DevOps → miniProjects → 2ndWeek
╰❯ git status -s
?? helloWorldOnlyJava/
 on  bash  main ≠ ?1                                                  ✓ 8ms
╭ 10:49:17 | 21 Feb, Wednesday | in ⌂ → DevOps → miniProjects → 2ndWeek
╰❯ git add .
 on  bash  main ≠ +2                                                 ✓ 11ms
╭ 10:50:02 | 21 Feb, Wednesday | in ⌂ → DevOps → miniProjects → 2ndWeek
╰❯ git status -s
A  helloWorldOnlyJava/Dockerfile
A  helloWorldOnlyJava/Main.java
 on  bash  main ≠ +2                                                  ✓ 6ms
╭ 10:50:07 | 21 Feb, Wednesday | in ⌂ → DevOps → miniProjects → 2ndWeek
╰❯ git commit -m "Brayan(W2): Dockerfile for helloWorld javaOnly"
[main a275d64] Brayan(W2): Dockerfile for helloWorld javaOnly
 2 files changed, 41 insertions(+)
 create mode 100644 helloWorldOnlyJava/Dockerfile
 create mode 100644 helloWorldOnlyJava/Main.java
 on  bash  main ≠                                                    ✓ 43ms
╭ 10:51:55 | 21 Feb, Wednesday | in ⌂ → DevOps → miniProjects → 2ndWeek
╰❯ git checkout -b W2JavaM_G
Switched to a new branch 'W2JavaM_G'
```

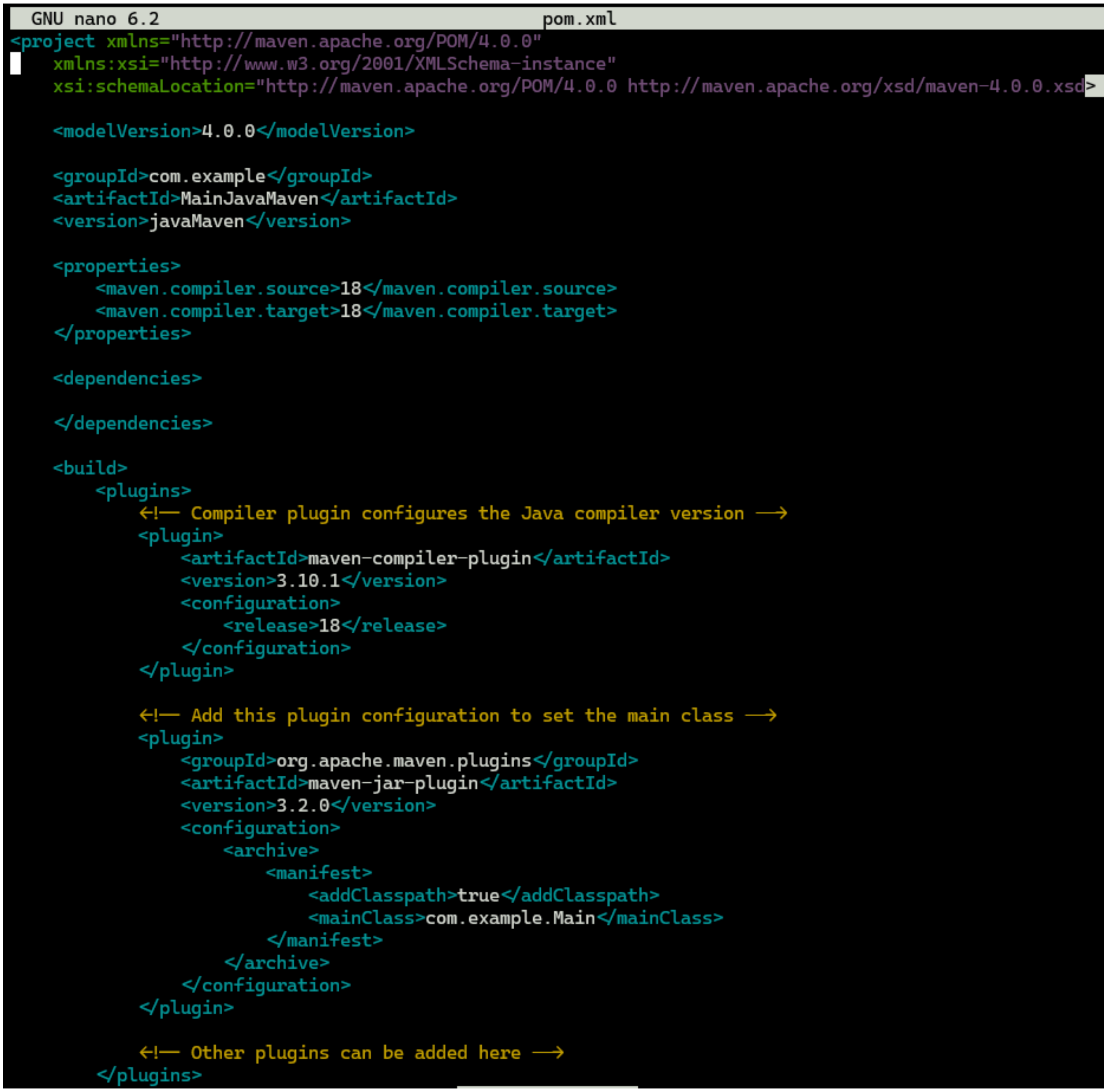
Part 2: Java, Use a Dockerfile to deploy a container with a hello world in java + Maven or Gradle



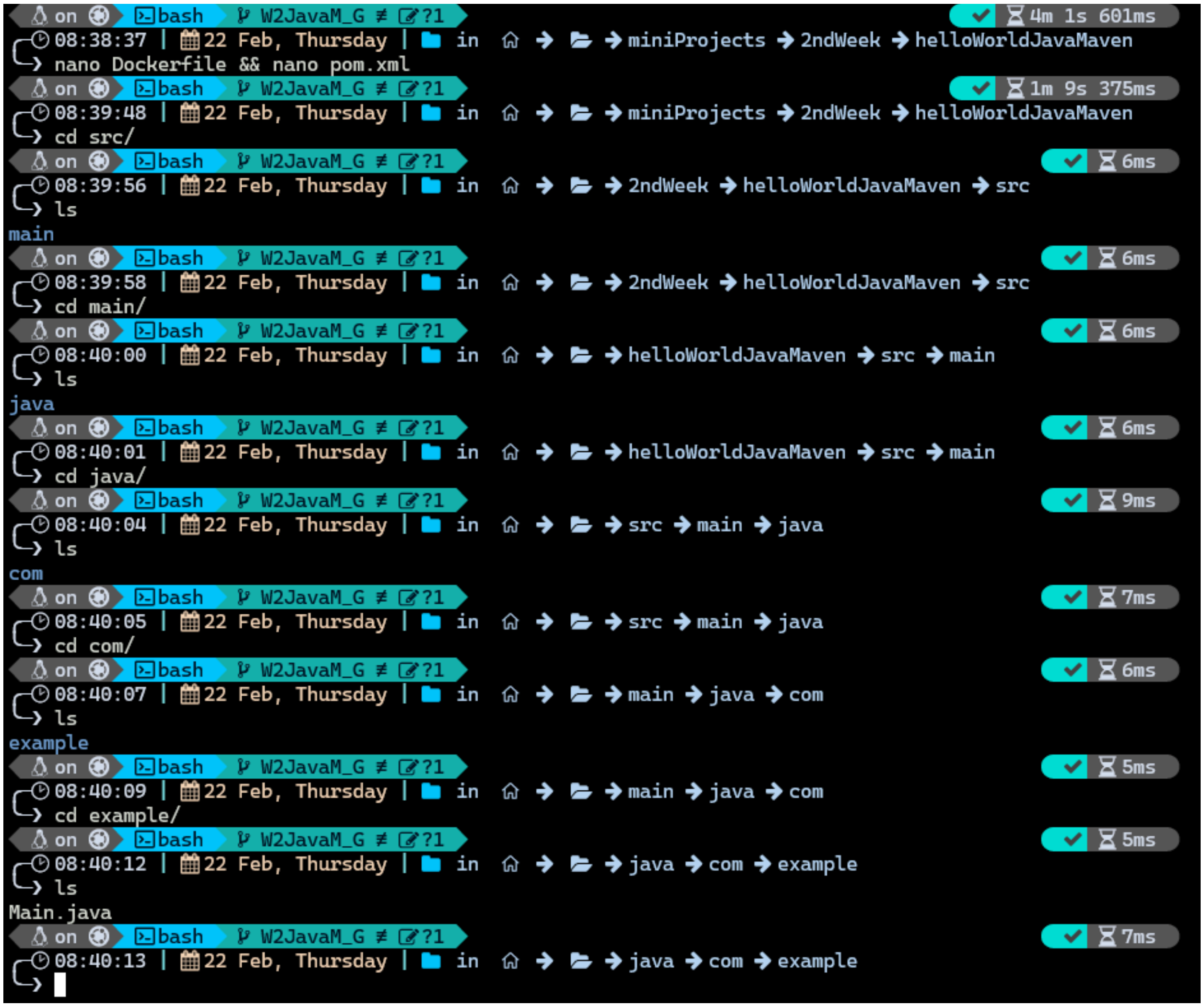
```
 on  bash  W2JavaM_G ≢                                                      ✓ ⧗ 6ms
╭─⏲ 08:31:16 | 📅22 Feb, Thursday |  in  ⌂ → DevOps → miniProjects → 2ndWeek
╰─› ls
README.md  helloWorldOnlyJava
 on  bash  W2JavaM_G ≢                                                      ✓ ⧗ 10ms
╭─⏲ 08:32:39 | 📅22 Feb, Thursday |  in  ⌂ → DevOps → miniProjects → 2ndWeek
╰─› mkdir helloWorldJavaMaven
 on  bash  W2JavaM_G ≢                                                      ✓ ⧗ 7ms
╭─⏲ 08:32:55 | 📅22 Feb, Thursday |  in  ⌂ → DevOps → miniProjects → 2ndWeek
╰─› cd helloWorldJavaMaven
 on  bash  W2JavaM_G ≢                                                      ✓ ⧗ 5ms
╭─⏲ 08:33:06 | 📅22 Feb, Thursday |  in  ⌂ →  → miniProjects → 2ndWeek → helloWorldJavaMaven
╰─› ls
Dockerfile  pom.xml  src
 on  bash  W2JavaM_G ≢ ?1                                                  ✓ ⧗ 5ms
╭─⏲ 08:33:53 | 📅22 Feb, Thursday |  in  ⌂ →  → miniProjects → 2ndWeek → helloWorldJavaMaven
╰─› █
```



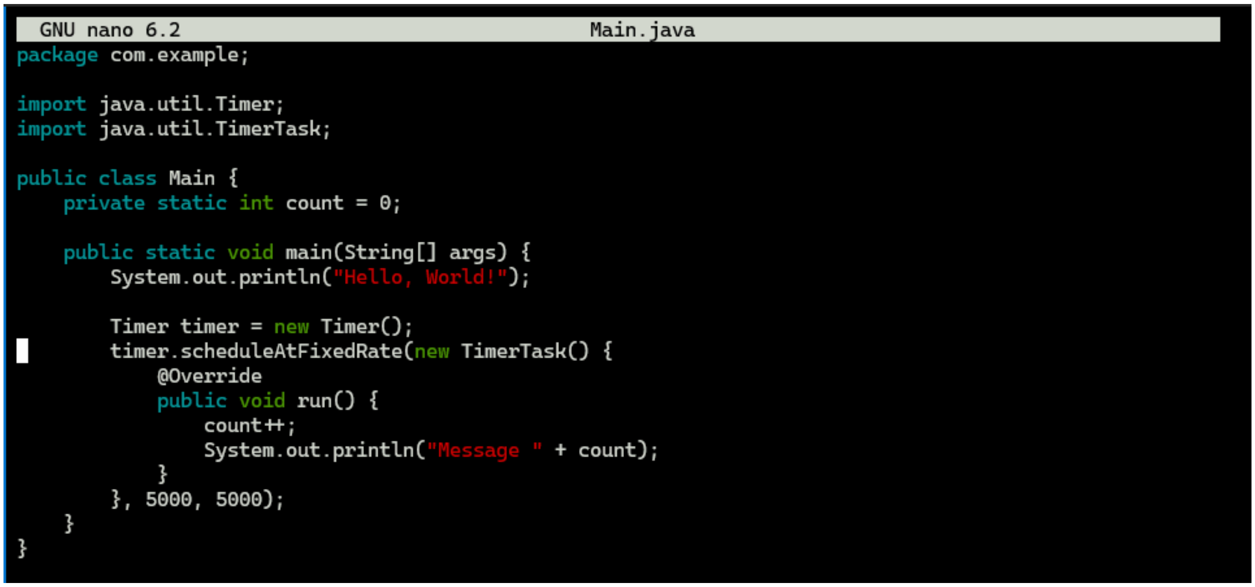
```
  GNU nano 6.2                                   Dockerfile
# Traer la imagen oficial de maven con el jdk respectivo y se le pone el alias de 'build'
FROM maven:3.8.7-openjdk-18-slim as build

# directorio de trabajo para la app
WORKDIR /MainJavaMaven

# Copia los archivos necesarios del maven en el contenedor
COPY pom.xml .
COPY src ./src

# Empaquetar la aplicación (Esto tambien corre el código)
RUN mvn package -Dmaven.test.skip=true

# Usar la imagen oficial de Java jdk
FROM openjdk:23-slim-bullseye

# Copiar el archivo JAR desde el build al contenedor
COPY --from=build /MainJavaMaven/target/*.jar /MainJavaMaven/MainJavaMaven.jar

# Especificar el volumen donde se usará
VOLUME /javaMaven

# Command to para correr la aplicacion
CMD ["java", "-jar", "MainJavaMaven.jar"]
```



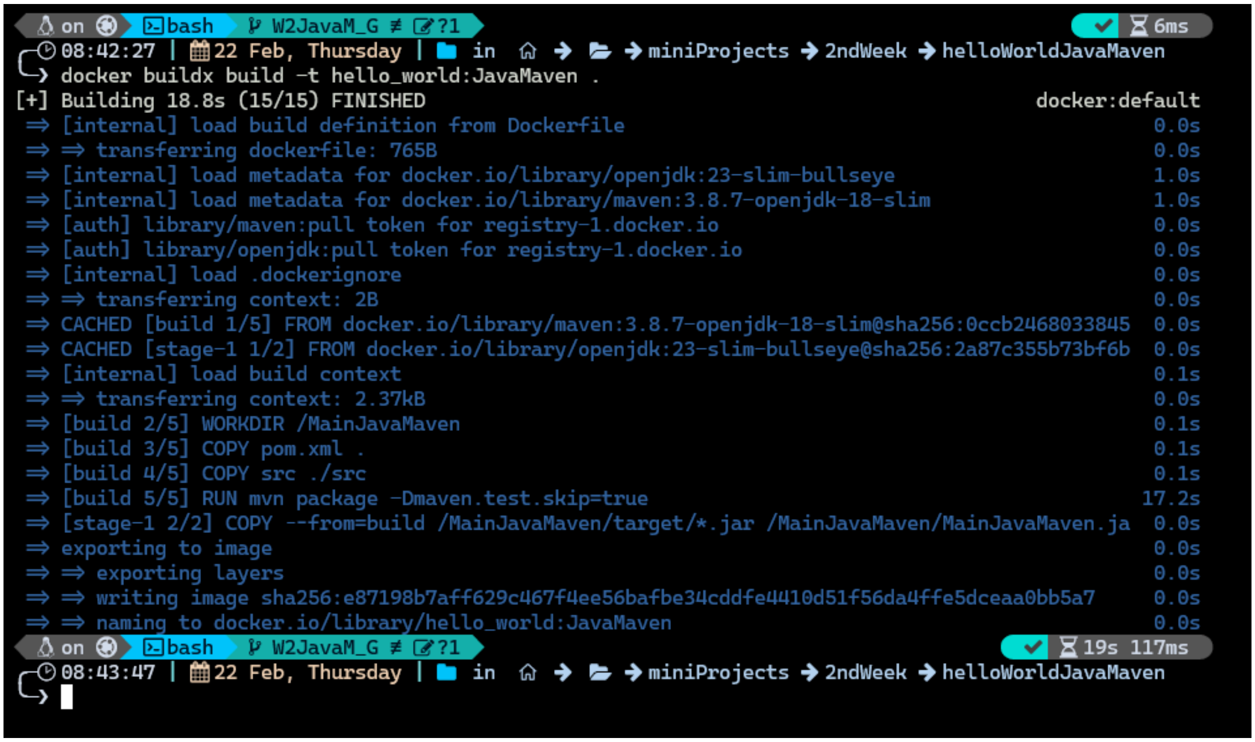
```
  GNU nano 6.2                                            pom.xml
<project xmlns="http://maven.apache.org/POM/4.0.0"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd>

    <modelVersion>4.0.0</modelVersion>

    <groupId>com.example</groupId>
    <artifactId>MainJavaMaven</artifactId>
    <version>javaMaven</version>

    <properties>
        <maven.compiler.source>18</maven.compiler.source>
        <maven.compiler.target>18</maven.compiler.target>
    </properties>

    <dependencies>

    </dependencies>

    <build>
        <plugins>
            <!-- Compiler plugin configures the Java compiler version -->
            <plugin>
                <artifactId>maven-compiler-plugin</artifactId>
                <version>3.10.1</version>
                <configuration>
                    <release>18</release>
                </configuration>
            </plugin>

            <!-- Add this plugin configuration to set the main class -->
            <plugin>
                <groupId>org.apache.maven.plugins</groupId>
                <artifactId>maven-jar-plugin</artifactId>
                <version>3.2.0</version>
                <configuration>
                    <archive>
                        <manifest>
                            <addClasspath>true</addClasspath>
                            <mainClass>com.example.Main</mainClass>
                        </manifest>
                    </archive>
                </configuration>
            </plugin>

            <!-- Other plugins can be added here -->
        </plugins>
```



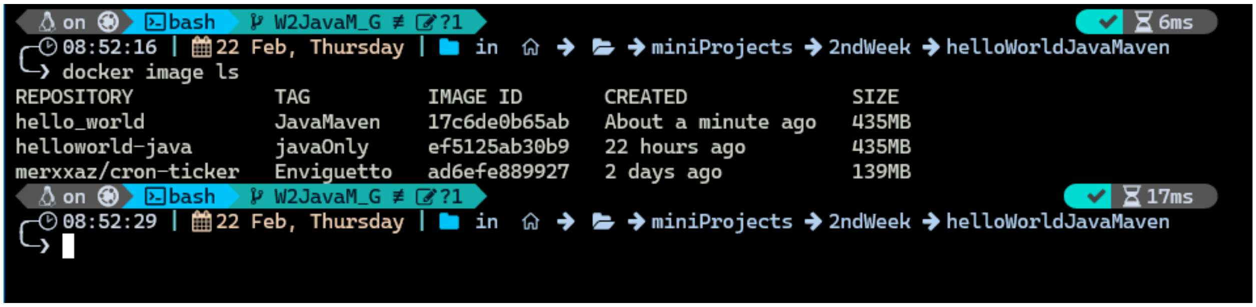
```
 🐧 on ⊛ >_bash  ᚴ W2JavaM_G ≢ 📝?1                                    ✓  ⌛4m 1s 601ms
╭─🕐08:38:37 | 📅22 Feb, Thursday | 📁 in  ⌂ → 📂 → miniProjects → 2ndWeek → helloWorldJavaMaven
╰─❯ nano Dockerfile && nano pom.xml
 🐧 on ⊛ >_bash  ᚴ W2JavaM_G ≢ 📝?1                                    ✓  ⌛1m 9s 375ms
╭─🕐08:39:48 | 📅22 Feb, Thursday | 📁 in  ⌂ → 📂 → miniProjects → 2ndWeek → helloWorldJavaMaven
╰─❯ cd src/
 🐧 on ⊛ >_bash  ᚴ W2JavaM_G ≢ 📝?1                                            ✓  ⌛6ms
╭─🕐08:39:56 | 📅22 Feb, Thursday | 📁 in  ⌂ → 📂 → 2ndWeek → helloWorldJavaMaven → src
╰─❯ ls
main
 🐧 on ⊛ >_bash  ᚴ W2JavaM_G ≢ 📝?1                                            ✓  ⌛6ms
╭─🕐08:39:58 | 📅22 Feb, Thursday | 📁 in  ⌂ → 📂 → 2ndWeek → helloWorldJavaMaven → src
╰─❯ cd main/
 🐧 on ⊛ >_bash  ᚴ W2JavaM_G ≢ 📝?1                                            ✓  ⌛6ms
╭─🕐08:40:00 | 📅22 Feb, Thursday | 📁 in  ⌂ → 📂 → helloWorldJavaMaven → src → main
╰─❯ ls
java
 🐧 on ⊛ >_bash  ᚴ W2JavaM_G ≢ 📝?1                                            ✓  ⌛6ms
╭─🕐08:40:01 | 📅22 Feb, Thursday | 📁 in  ⌂ → 📂 → helloWorldJavaMaven → src → main
╰─❯ cd java/
 🐧 on ⊛ >_bash  ᚴ W2JavaM_G ≢ 📝?1                                            ✓  ⌛9ms
╭─🕐08:40:04 | 📅22 Feb, Thursday | 📁 in  ⌂ → 📂 → src → main → java
╰─❯ ls
com
 🐧 on ⊛ >_bash  ᚴ W2JavaM_G ≢ 📝?1                                            ✓  ⌛7ms
╭─🕐08:40:05 | 📅22 Feb, Thursday | 📁 in  ⌂ → 📂 → src → main → java
╰─❯ cd com/
 🐧 on ⊛ >_bash  ᚴ W2JavaM_G ≢ 📝?1                                            ✓  ⌛6ms
╭─🕐08:40:07 | 📅22 Feb, Thursday | 📁 in  ⌂ → 📂 → main → java → com
╰─❯ ls
example
 🐧 on ⊛ >_bash  ᚴ W2JavaM_G ≢ 📝?1                                            ✓  ⌛5ms
╭─🕐08:40:09 | 📅22 Feb, Thursday | 📁 in  ⌂ → 📂 → main → java → com
╰─❯ cd example/
 🐧 on ⊛ >_bash  ᚴ W2JavaM_G ≢ 📝?1                                            ✓  ⌛5ms
╭─🕐08:40:12 | 📅22 Feb, Thursday | 📁 in  ⌂ → 📂 → java → com → example
╰─❯ ls
Main.java
 🐧 on ⊛ >_bash  ᚴ W2JavaM_G ≢ 📝?1                                            ✓  ⌛7ms
╭─🕐08:40:13 | 📅22 Feb, Thursday | 📁 in  ⌂ → 📂 → java → com → example
╰─❯ █
```



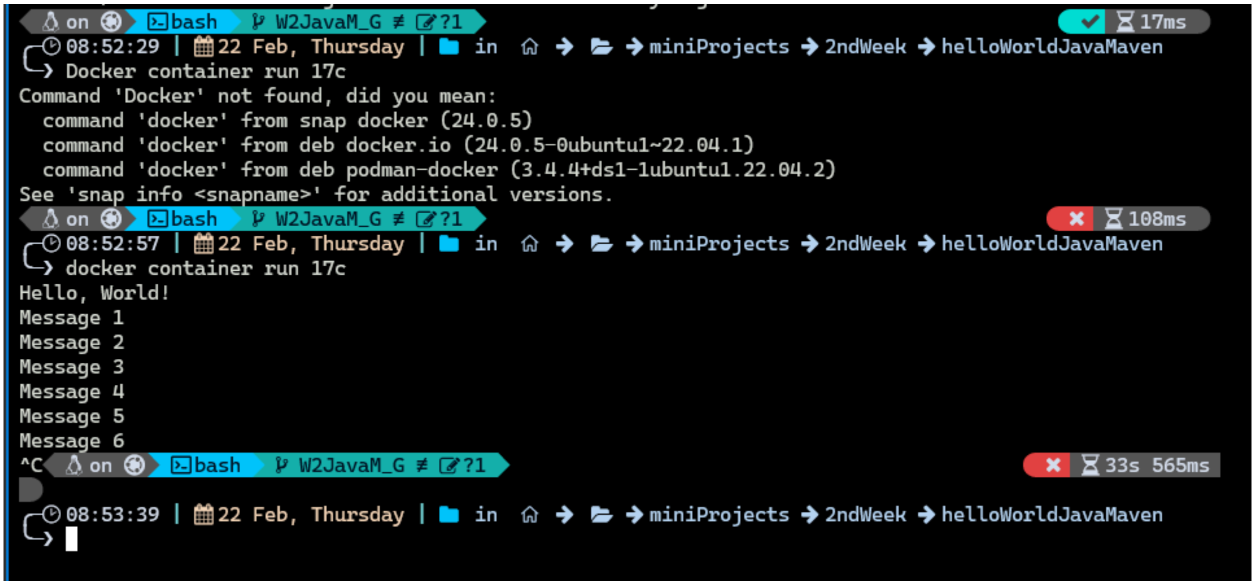
```
  GNU nano 6.2                                Main.java
package com.example;

import java.util.Timer;
import java.util.TimerTask;

public class Main {
    private static int count = 0;

    public static void main(String[] args) {
        System.out.println("Hello, World!");

        Timer timer = new Timer();
        timer.scheduleAtFixedRate(new TimerTask() {
            @Override
            public void run() {
                count++;
                System.out.println("Message " + count);
            }
        }, 5000, 5000);
    }
}
```



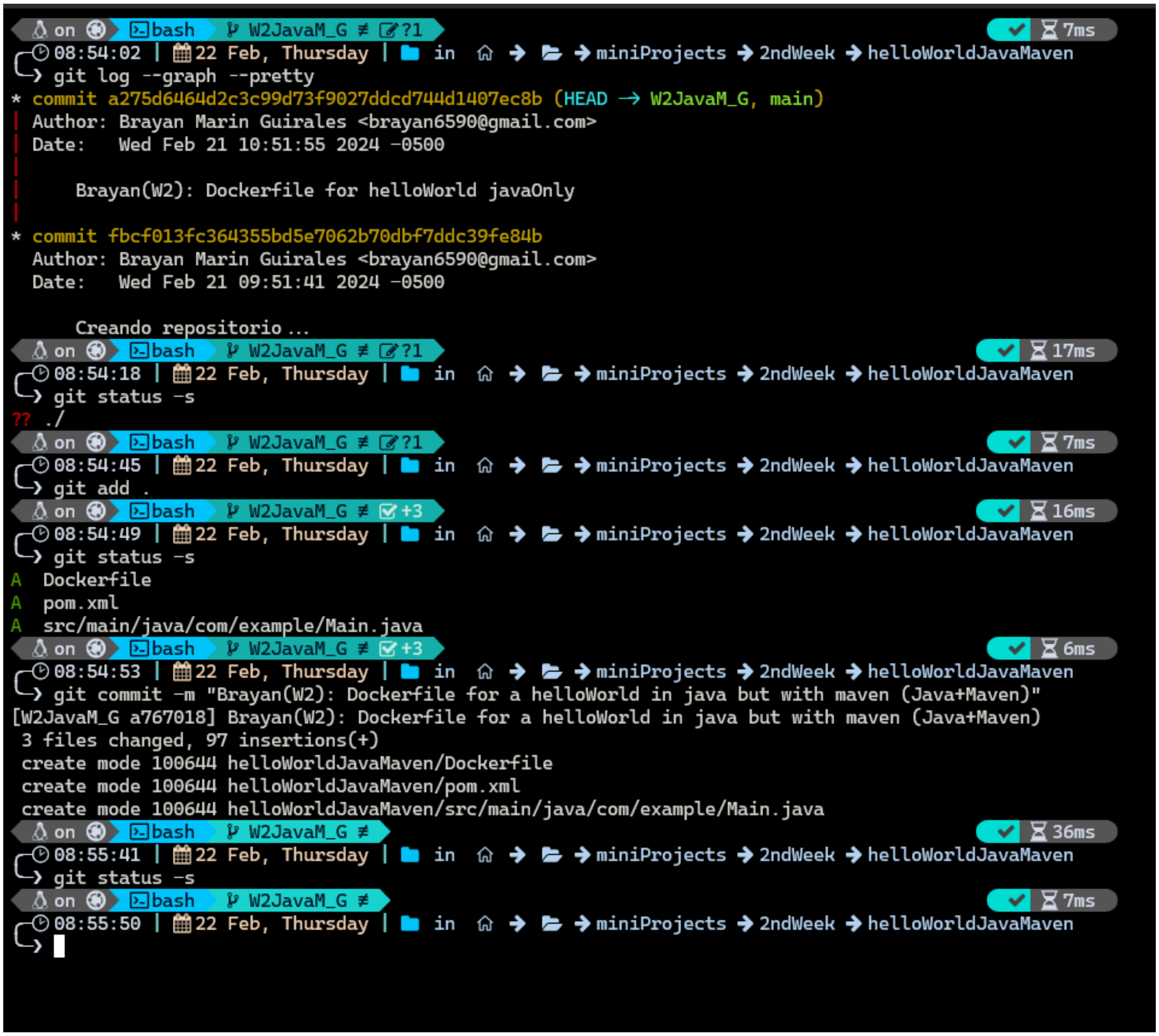
```
 on   bash   W2JavaM_G ≢ ?1                                              ✓  6ms
╭ 08:42:27 | 22 Feb, Thursday |  in  ⌂ → → miniProjects → 2ndWeek → helloWorldJavaMaven
╰› docker buildx build -t hello_world:JavaMaven .
[+] Building 18.8s (15/15) FINISHED                                          docker:default
 ⇒ [internal] load build definition from Dockerfile                                    0.0s
 ⇒ ⇒ transferring dockerfile: 765B                                                     0.0s
 ⇒ [internal] load metadata for docker.io/library/openjdk:23-slim-bullseye             1.0s
 ⇒ [internal] load metadata for docker.io/library/maven:3.8.7-openjdk-18-slim          1.0s
 ⇒ [auth] library/maven:pull token for registry-1.docker.io                            0.0s
 ⇒ [auth] library/openjdk:pull token for registry-1.docker.io                          0.0s
 ⇒ [internal] load .dockerignore                                                       0.0s
 ⇒ ⇒ transferring context: 2B                                                          0.0s
 ⇒ CACHED [build 1/5] FROM docker.io/library/maven:3.8.7-openjdk-18-slim@sha256:0ccb2468033845  0.0s
 ⇒ CACHED [stage-1 1/2] FROM docker.io/library/openjdk:23-slim-bullseye@sha256:2a87c355b73bf6b  0.0s
 ⇒ [internal] load build context                                                       0.1s
 ⇒ ⇒ transferring context: 2.37kB                                                      0.0s
 ⇒ [build 2/5] WORKDIR /MainJavaMaven                                                  0.1s
 ⇒ [build 3/5] COPY pom.xml .                                                          0.1s
 ⇒ [build 4/5] COPY src ./src                                                          0.1s
 ⇒ [build 5/5] RUN mvn package -Dmaven.test.skip=true                                 17.2s
 ⇒ [stage-1 2/2] COPY --from=build /MainJavaMaven/target/*.jar /MainJavaMaven/MainJavaMaven.ja  0.0s
 ⇒ exporting to image                                                                  0.0s
 ⇒ ⇒ exporting layers                                                                  0.0s
 ⇒ ⇒ writing image sha256:e87198b7aff629c467f4ee56bafbe34cddfe4410d51f56da4ffe5dceaa0bb5a7   0.0s
 ⇒ ⇒ naming to docker.io/library/hello_world:JavaMaven                                 0.0s
 on   bash   W2JavaM_G ≢ ?1                                      ✓  19s 117ms
╭ 08:43:47 | 22 Feb, Thursday |  in  ⌂ → → miniProjects → 2ndWeek → helloWorldJavaMaven
╰› █
```



```
 on   bash   W2JavaM_G ≢ ?1                                              ✓  6ms
╭ 08:52:16 | 22 Feb, Thursday |  in  ⌂ → → miniProjects → 2ndWeek → helloWorldJavaMaven
╰› docker image ls
REPOSITORY           TAG           IMAGE ID       CREATED              SIZE
hello_world          JavaMaven     17c6de0b65ab   About a minute ago   435MB
helloworld-java      javaOnly      ef5125ab30b9   22 hours ago         435MB
merxxaz/cron-ticker  Enviguetto    ad6efe889927   2 days ago           139MB
 on   bash   W2JavaM_G ≢ ?1                                             ✓  17ms
╭ 08:52:29 | 22 Feb, Thursday |  in  ⌂ → → miniProjects → 2ndWeek → helloWorldJavaMaven
╰› █
```



```
 on   bash   W2JavaM_G ≢ ?1                                             ✓  17ms
╭ 08:52:29 | 22 Feb, Thursday |  in  ⌂ → → miniProjects → 2ndWeek → helloWorldJavaMaven
╰› Docker container run 17c
Command 'Docker' not found, did you mean:
  command 'docker' from snap docker (24.0.5)
  command 'docker' from deb docker.io (24.0.5-0ubuntu1~22.04.1)
  command 'docker' from deb podman-docker (3.4.4+ds1-1ubuntu1.22.04.2)
See 'snap info <snapname>' for additional versions.
 on   bash   W2JavaM_G ≢ ?1                                           ✗  108ms
╭ 08:52:57 | 22 Feb, Thursday |  in  ⌂ → → miniProjects → 2ndWeek → helloWorldJavaMaven
╰› docker container run 17c
Hello, World!
Message 1
Message 2
Message 3
Message 4
Message 5
Message 6
^C on   bash   W2JavaM_G ≢ ?1                                      ✗  33s 565ms

╭ 08:53:39 | 22 Feb, Thursday |  in  ⌂ → → miniProjects → 2ndWeek → helloWorldJavaMaven
╰› █
```

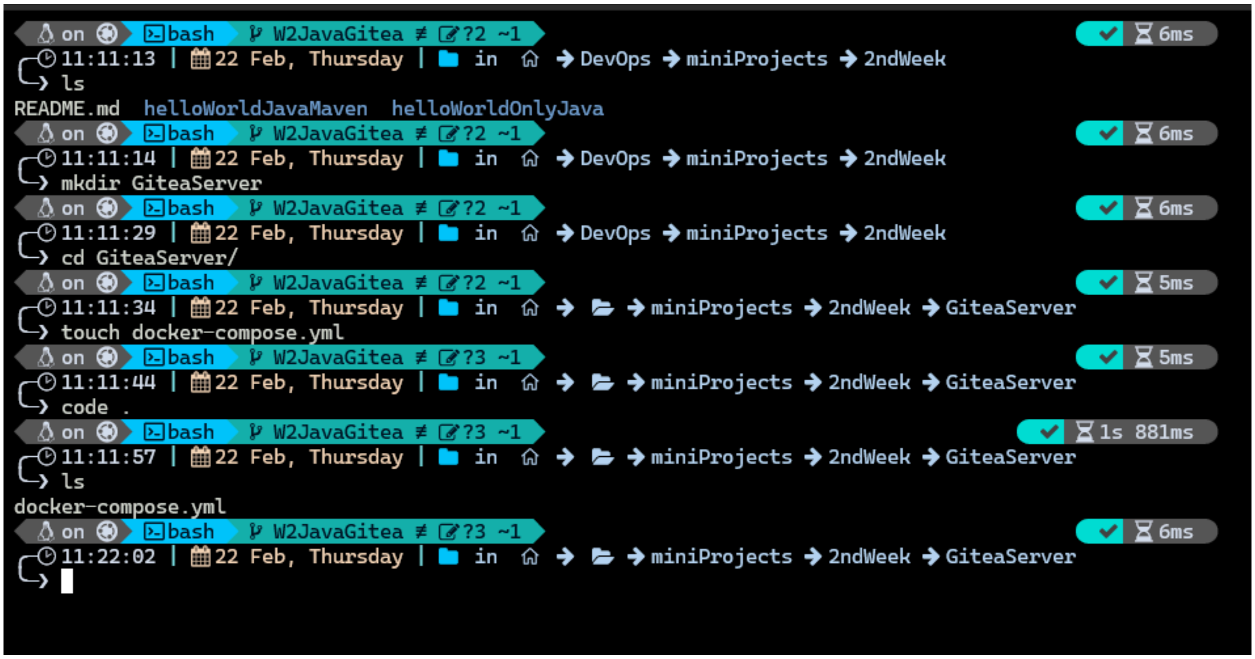


```
 on  bash  W2JavaM_G ≠ ?1                                                    ✓ 7ms
╭─08:54:02 | 22 Feb, Thursday |  in  →  → miniProjects → 2ndWeek → helloWorldJavaMaven
╰─› git log --graph --pretty
* commit a275d6464d2c3c99d73f9027ddcd744d1407ec8b (HEAD → W2JavaM_G, main)
| Author: Brayan Marin Guirales <brayan6590@gmail.com>
| Date:   Wed Feb 21 10:51:55 2024 -0500
|
|     Brayan(W2): Dockerfile for helloWorld javaOnly
|
* commit fbcf013fc364355bd5e7062b70dbf7ddc39fe84b
  Author: Brayan Marin Guirales <brayan6590@gmail.com>
  Date:   Wed Feb 21 09:51:41 2024 -0500

      Creando repositorio ...
 on  bash  W2JavaM_G ≠ ?1                                                   ✓ 17ms
╭─08:54:18 | 22 Feb, Thursday |  in  →  → miniProjects → 2ndWeek → helloWorldJavaMaven
╰─› git status -s
?? ./
 on  bash  W2JavaM_G ≠ ?1                                                    ✓ 7ms
╭─08:54:45 | 22 Feb, Thursday |  in  →  → miniProjects → 2ndWeek → helloWorldJavaMaven
╰─› git add .
 on  bash  W2JavaM_G ≠ +3                                                   ✓ 16ms
╭─08:54:49 | 22 Feb, Thursday |  in  →  → miniProjects → 2ndWeek → helloWorldJavaMaven
╰─› git status -s
A  Dockerfile
A  pom.xml
A  src/main/java/com/example/Main.java
 on  bash  W2JavaM_G ≠ +3                                                    ✓ 6ms
╭─08:54:53 | 22 Feb, Thursday |  in  →  → miniProjects → 2ndWeek → helloWorldJavaMaven
╰─› git commit -m "Brayan(W2): Dockerfile for a helloWorld in java but with maven (Java+Maven)"
[W2JavaM_G a767018] Brayan(W2): Dockerfile for a helloWorld in java but with maven (Java+Maven)
 3 files changed, 97 insertions(+)
 create mode 100644 helloWorldJavaMaven/Dockerfile
 create mode 100644 helloWorldJavaMaven/pom.xml
 create mode 100644 helloWorldJavaMaven/src/main/java/com/example/Main.java
 on  bash  W2JavaM_G ≠                                                      ✓ 36ms
╭─08:55:41 | 22 Feb, Thursday |  in  →  → miniProjects → 2ndWeek → helloWorldJavaMaven
╰─› git status -s
 on  bash  W2JavaM_G ≠                                                       ✓ 7ms
╭─08:55:50 | 22 Feb, Thursday |  in  →  → miniProjects → 2ndWeek → helloWorldJavaMaven
╰─›
```

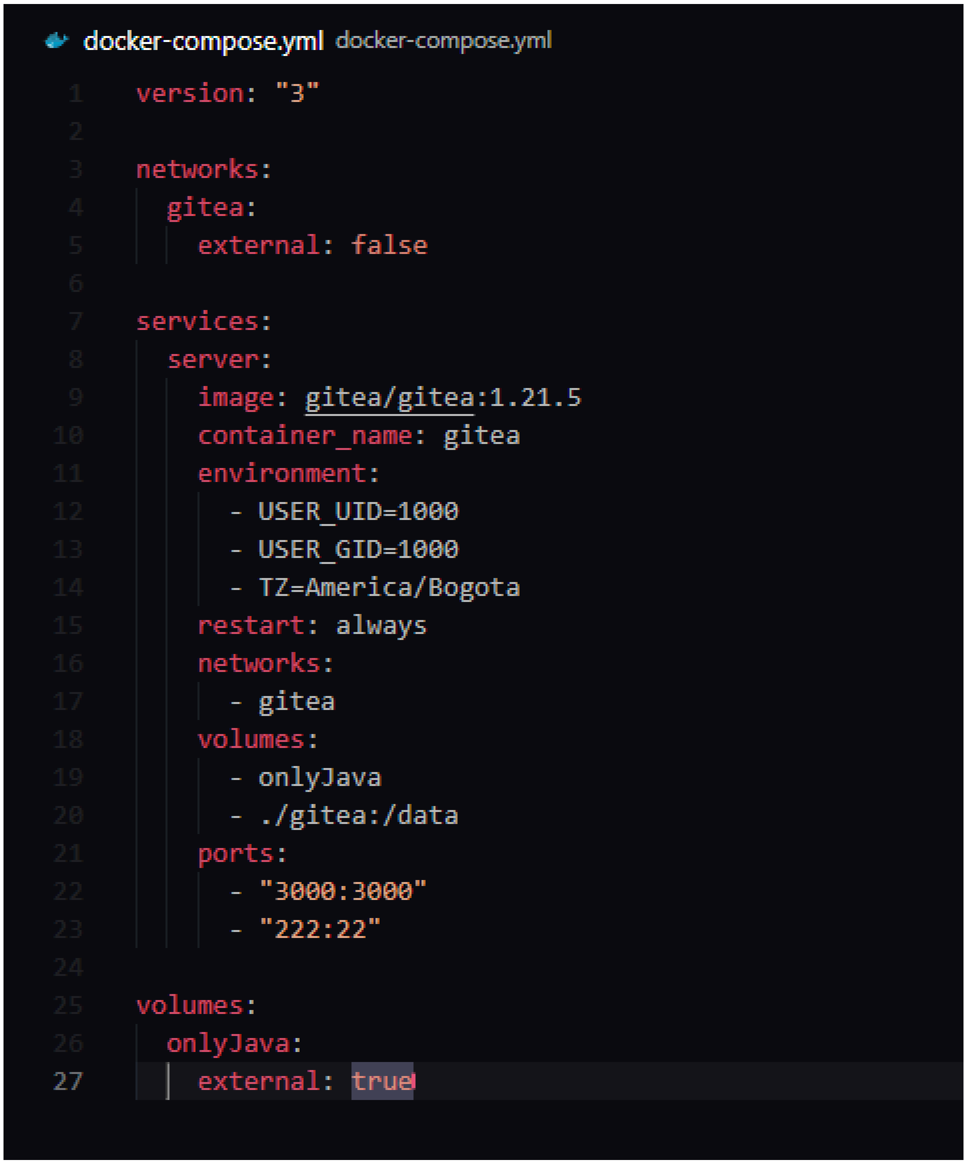
Part3: Gitea

Use a Dockerfile to deploy a gitea Container

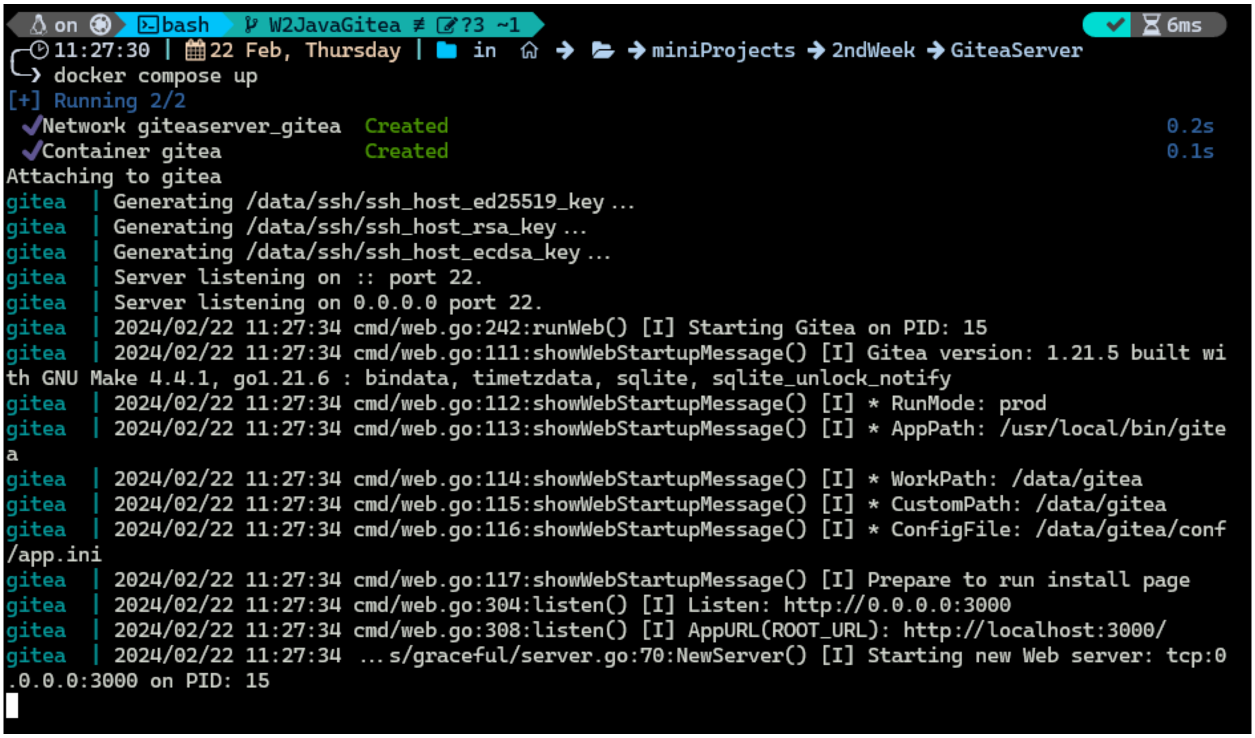
Upload all resources related to part 1 and 2



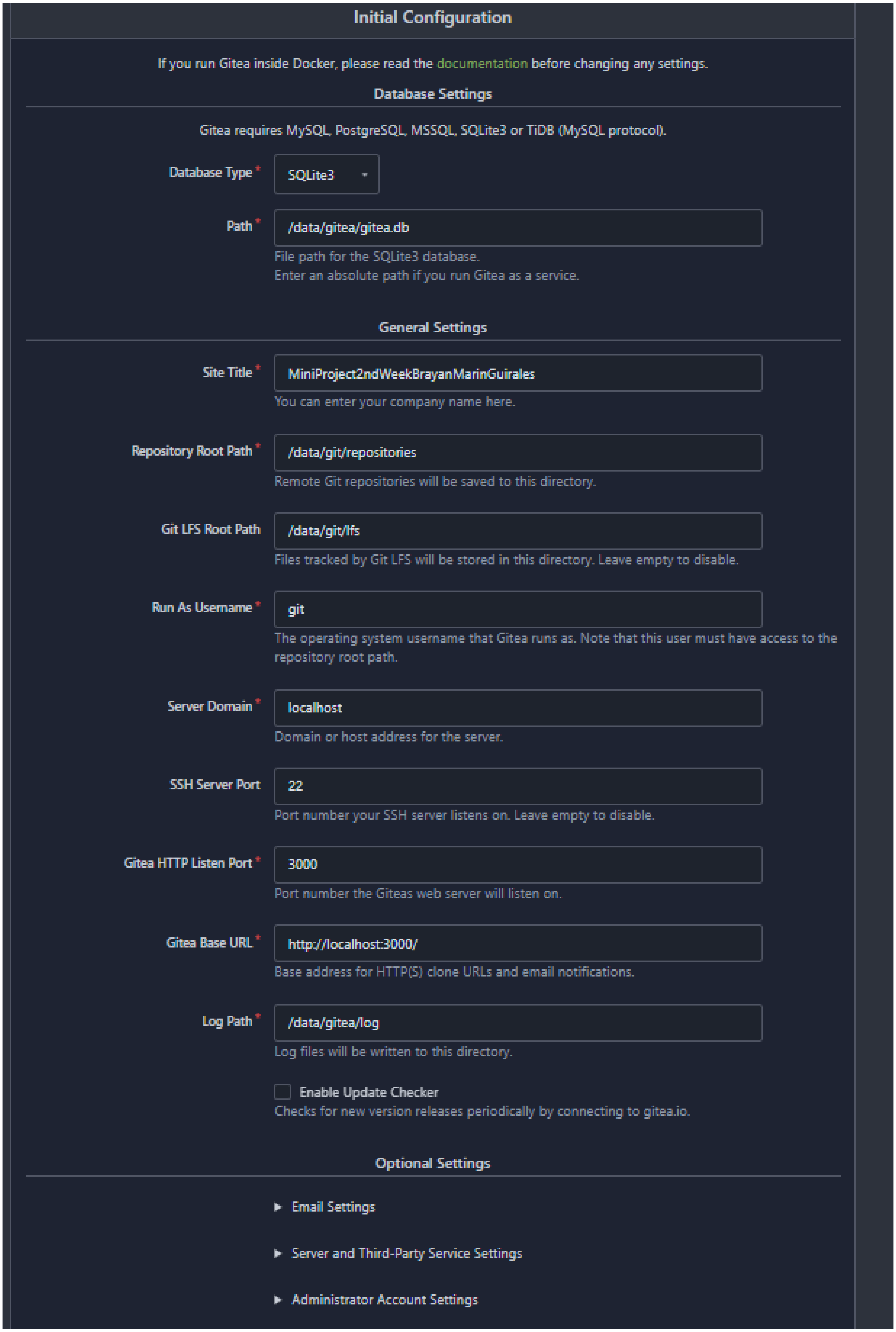
```
 on   bash  W2JavaGitea ≠ ?2 ~1                                          ✓  6ms
╭11:11:13 | 22 Feb, Thursday |  in  ~ → DevOps → miniProjects → 2ndWeek
╰› ls
README.md  helloWorldJavaMaven  helloWorldOnlyJava
 on   bash  W2JavaGitea ≠ ?2 ~1                                          ✓  6ms
╭11:11:14 | 22 Feb, Thursday |  in  ~ → DevOps → miniProjects → 2ndWeek
╰› mkdir GiteaServer
 on   bash  W2JavaGitea ≠ ?2 ~1                                          ✓  6ms
╭11:11:29 | 22 Feb, Thursday |  in  ~ → DevOps → miniProjects → 2ndWeek
╰› cd GiteaServer/
 on   bash  W2JavaGitea ≠ ?2 ~1                                          ✓  5ms
╭11:11:34 | 22 Feb, Thursday |  in  ~ →  → miniProjects → 2ndWeek → GiteaServer
╰› touch docker-compose.yml
 on   bash  W2JavaGitea ≠ ?3 ~1                                          ✓  5ms
╭11:11:44 | 22 Feb, Thursday |  in  ~ →  → miniProjects → 2ndWeek → GiteaServer
╰› code .
 on   bash  W2JavaGitea ≠ ?3 ~1                                     ✓  1s 881ms
╭11:11:57 | 22 Feb, Thursday |  in  ~ →  → miniProjects → 2ndWeek → GiteaServer
╰› ls
docker-compose.yml
 on   bash  W2JavaGitea ≠ ?3 ~1                                          ✓  6ms
╭11:22:02 | 22 Feb, Thursday |  in  ~ →  → miniProjects → 2ndWeek → GiteaServer
╰› █
```



```yaml
version: "3"

networks:
  gitea:
    external: false

services:
  server:
    image: gitea/gitea:1.21.5
    container_name: gitea
    environment:
      - USER_UID=1000
      - USER_GID=1000
      - TZ=America/Bogota
    restart: always
    networks:
      - gitea
    volumes:
      - onlyJava
      - ./gitea:/data
    ports:
      - "3000:3000"
      - "222:22"

volumes:
  onlyJava:
    external: true
```



```
 on  bash  W2JavaGitea ≢ ?3 ~1                                                          ✓ ⌛ 6ms
╭─⏲ 11:27:30 | 📅22 Feb, Thursday | 📁 in ⌂ → 📂 → miniProjects → 2ndWeek → GiteaServer
╰─❯ docker compose up
[+] Running 2/2
 ✓Network giteaserver_gitea  Created                                                           0.2s
 ✓Container gitea            Created                                                           0.1s
Attaching to gitea
gitea  | Generating /data/ssh/ssh_host_ed25519_key ...
gitea  | Generating /data/ssh/ssh_host_rsa_key ...
gitea  | Generating /data/ssh/ssh_host_ecdsa_key ...
gitea  | Server listening on :: port 22.
gitea  | Server listening on 0.0.0.0 port 22.
gitea  | 2024/02/22 11:27:34 cmd/web.go:242:runWeb() [I] Starting Gitea on PID: 15
gitea  | 2024/02/22 11:27:34 cmd/web.go:111:showWebStartupMessage() [I] Gitea version: 1.21.5 built wi
th GNU Make 4.4.1, go1.21.6 : bindata, timetzdata, sqlite, sqlite_unlock_notify
gitea  | 2024/02/22 11:27:34 cmd/web.go:112:showWebStartupMessage() [I] * RunMode: prod
gitea  | 2024/02/22 11:27:34 cmd/web.go:113:showWebStartupMessage() [I] * AppPath: /usr/local/bin/gite
a
gitea  | 2024/02/22 11:27:34 cmd/web.go:114:showWebStartupMessage() [I] * WorkPath: /data/gitea
gitea  | 2024/02/22 11:27:34 cmd/web.go:115:showWebStartupMessage() [I] * CustomPath: /data/gitea
gitea  | 2024/02/22 11:27:34 cmd/web.go:116:showWebStartupMessage() [I] * ConfigFile: /data/gitea/conf
/app.ini
gitea  | 2024/02/22 11:27:34 cmd/web.go:117:showWebStartupMessage() [I] Prepare to run install page
gitea  | 2024/02/22 11:27:34 cmd/web.go:304:listen() [I] Listen: http://0.0.0.0:3000
gitea  | 2024/02/22 11:27:34 cmd/web.go:308:listen() [I] AppURL(ROOT_URL): http://localhost:3000/
gitea  | 2024/02/22 11:27:34 ...s/graceful/server.go:70:NewServer() [I] Starting new Web server: tcp:0
.0.0.0:3000 on PID: 15
█
```



Initial Configuration

If you run Gitea inside Docker, please read the documentation before changing any settings.

Database Settings

Gitea requires MySQL, PostgreSQL, MSSQL, SQLite3 or TiDB (MySQL protocol).

Database Type * SQLite3 ▾

Path * /data/gitea/gitea.db
File path for the SQLite3 database.
Enter an absolute path if you run Gitea as a service.

General Settings

Site Title * MiniProject2ndWeekBrayanMarinGuirales
You can enter your company name here.

Repository Root Path * /data/git/repositories
Remote Git repositories will be saved to this directory.

Git LFS Root Path /data/git/lfs
Files tracked by Git LFS will be stored in this directory. Leave empty to disable.

Run As Username * git
The operating system username that Gitea runs as. Note that this user must have access to the repository root path.

Server Domain * localhost
Domain or host address for the server.

SSH Server Port 22
Port number your SSH server listens on. Leave empty to disable.

Gitea HTTP Listen Port * 3000
Port number the Giteas web server will listen on.

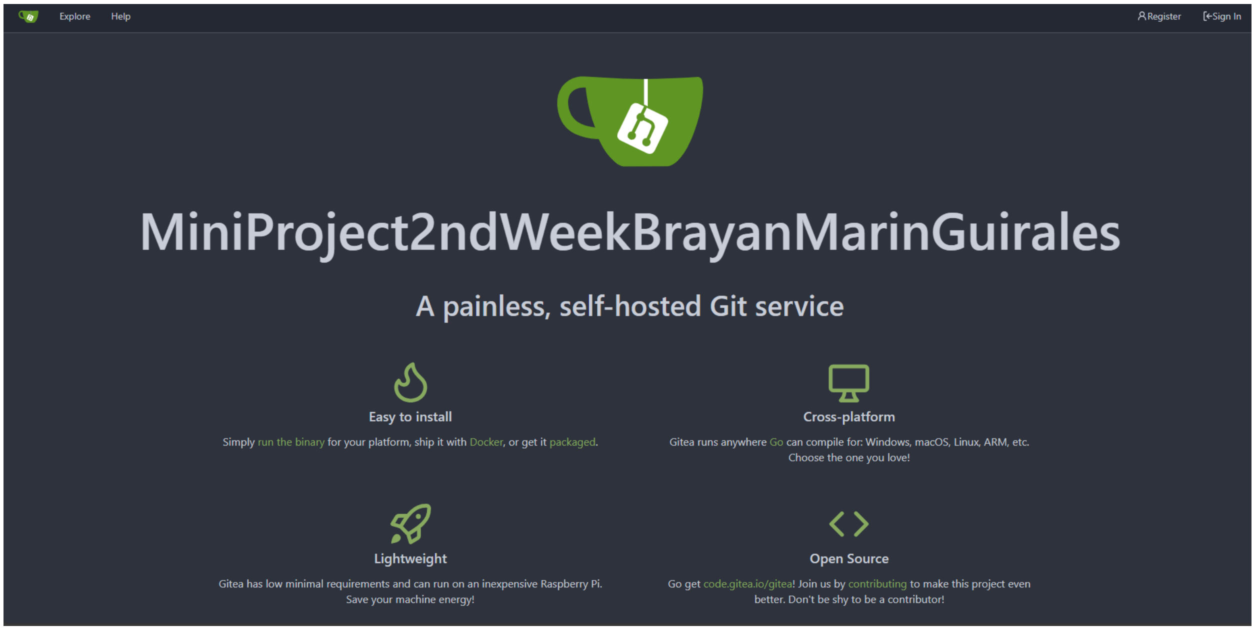
Gitea Base URL * http://localhost:3000/
Base address for HTTP(S) clone URLs and email notifications.

Log Path * /data/gitea/log
Log files will be written to this directory.

□ Enable Update Checker
Checks for new version releases periodically by connecting to gitea.io.

Optional Settings

▶ Email Settings
▶ Server and Third-Party Service Settings
▶ Administrator Account Settings



MiniProject2ndWeekBrayanMarinGuirales

A painless, self-hosted Git service

Easy to install

Simply run the binary for your platform, ship it with Docker, or get it packaged.

Cross-platform

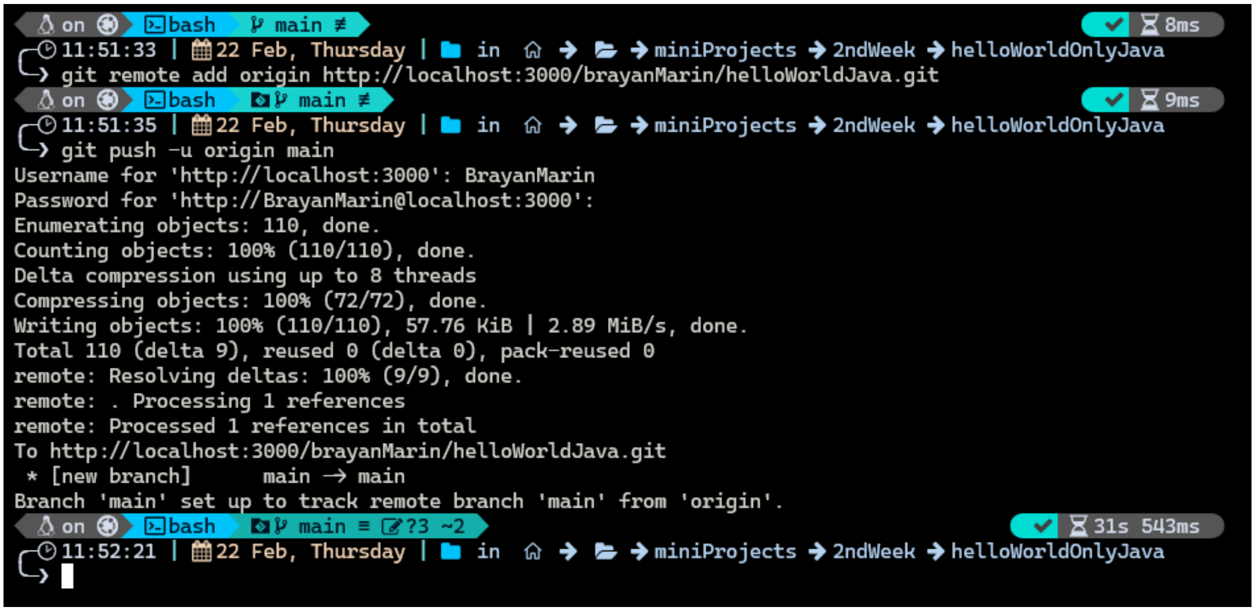
Gitea runs anywhere Go can compile for: Windows, macOS, Linux, ARM, etc. Choose the one you love!

Lightweight

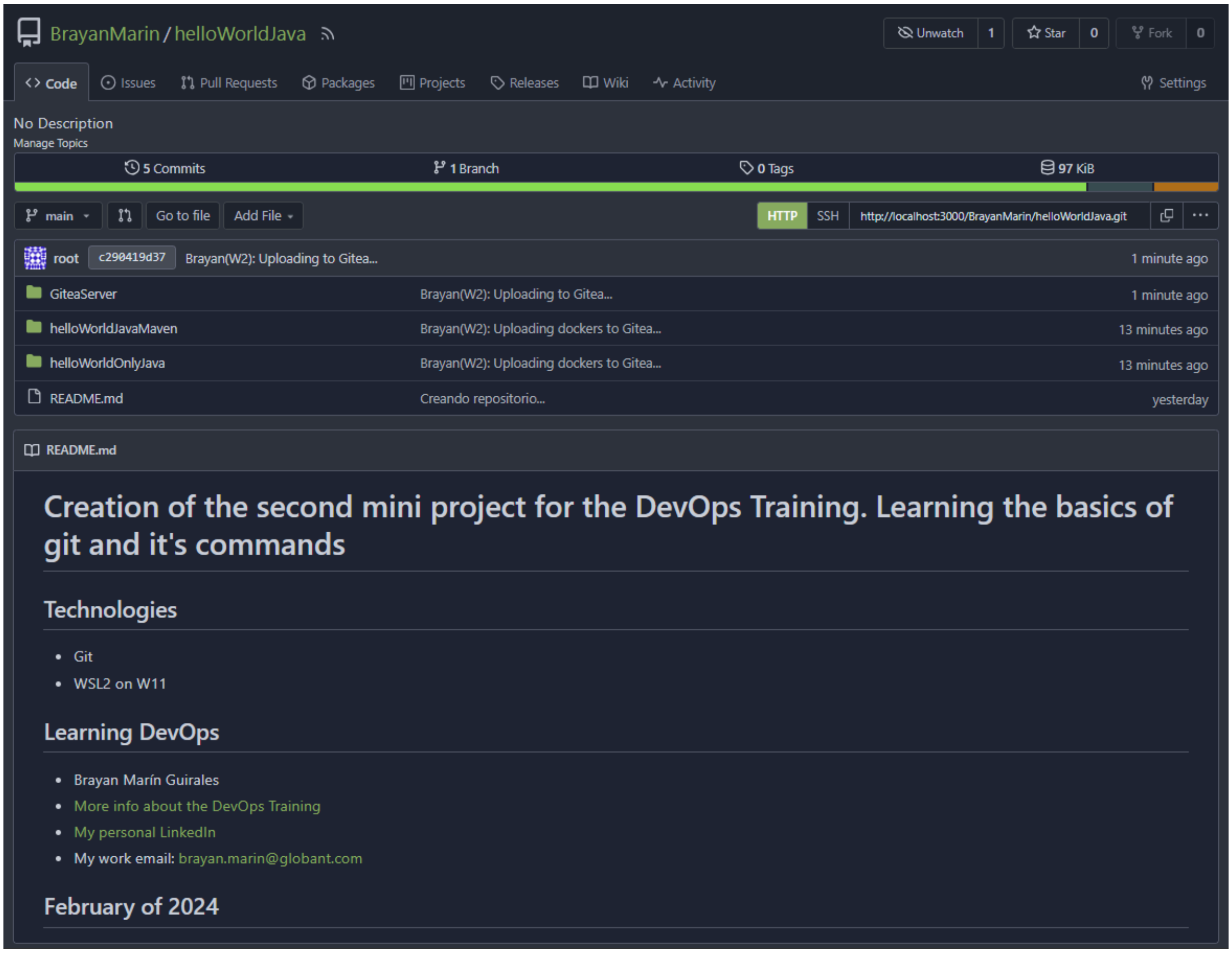
Gitea has low minimal requirements and can run on an inexpensive Raspberry Pi. Save your machine energy!

Open Source

Go get code.gitea.io/gitea! Join us by contributing to make this project even better. Don't be shy to be a contributor!



```
 on  bash  main ≢                                                                    ✓ ⌛8ms
╭─11:51:33 | 22 Feb, Thursday |  in  ⌂ →  → miniProjects → 2ndWeek → helloWorldOnlyJava
╰─› git remote add origin http://localhost:3000/brayanMarin/helloWorldJava.git
 on  bash  main ≢                                                                    ✓ ⌛9ms
╭─11:51:35 | 22 Feb, Thursday |  in  ⌂ →  → miniProjects → 2ndWeek → helloWorldOnlyJava
╰─› git push -u origin main
Username for 'http://localhost:3000': BrayanMarin
Password for 'http://BrayanMarin@localhost:3000':
Enumerating objects: 110, done.
Counting objects: 100% (110/110), done.
Delta compression using up to 8 threads
Compressing objects: 100% (72/72), done.
Writing objects: 100% (110/110), 57.76 KiB | 2.89 MiB/s, done.
Total 110 (delta 9), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (9/9), done.
remote: . Processing 1 references
remote: Processed 1 references in total
To http://localhost:3000/brayanMarin/helloWorldJava.git
 * [new branch]      main -> main
Branch 'main' set up to track remote branch 'main' from 'origin'.
 on  bash  main ≡ ?3 ~2                                                         ✓ ⌛31s 543ms
╭─11:52:21 | 22 Feb, Thursday |  in  ⌂ →  → miniProjects → 2ndWeek → helloWorldOnlyJava
╰─› █
```



No Description
Manage Topics

http://localhost:3000/BrayanMarin/helloWorldJava.git

root c290419d37 Brayan(W2): Uploading to Gitea... 1 minute ago

GiteaServer	Brayan(W2): Uploading to Gitea...	1 minute ago
helloWorldJavaMaven	Brayan(W2): Uploading dockers to Gitea...	13 minutes ago
helloWorldOnlyJava	Brayan(W2): Uploading dockers to Gitea...	13 minutes ago
README.md	Creando repositorio...	yesterday

README.md

Creation of the second mini project for the DevOps Training. Learning the basics of git and it's commands

Technologies

- Git
- WSL2 on W11

Learning DevOps

- Brayan Marín Guirales
- More info about the DevOps Training
- My personal LinkedIn
- My work email: brayan.marin@globant.com

February of 2024