

UNIVERSIDAD MARIANO GÁLVEZ
GUATEMALA

CAMPUS JUTIAPA

PROGRAMACIÓN

Arlin Guisel Castillo Cermeño

Catedrático: Walter Cardova

Carnet: 0905-2422-303




```

[INFO] --- surefire:3.2.5:test (default-test) @ stackHandler ---
[INFO] Using auto detected provider org.apache.maven.surefire.junit3.JUnit3Provider
[INFO]
[INFO] T E S T S
[INFO]
[INFO] Running umg.edu.gt.handler.AppTest
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.024 s -- in umg.edu.gt.handler.AppTest
[INFO]
[INFO] Results:
[INFO]
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0
[INFO]
[INFO] --- jar:3.4.1:jar (default-jar) @ stackHandler ---
[INFO] Building jar: C:\Users\yudis\OneDrive\Desktop\TAREAPRO000\data-structure-stack-practice\stackHandler\target\stackHandler-1.0.0.jar
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 4.387 s
[INFO] Finished at: 2026-02-20T00:28:12-06:00
[INFO]

```

Se esta ejecutándolos procesos de una terminal consola y pruebas de software, probablente java.


```
Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-io/2.7.1/plexus-io-2.7.1.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-io/2.7.1/plexus-io-2.7.1.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/commons/commons-io/2.2/commons-io-2.2.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/commons/commons-parent/24/commons-parent-24.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/commons/commons-compress/1.11/commons-compress-1.11.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/iq80/snappy/snappy/0.4/snappy-0.4.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/tukaani/xz/1.5/xz-1.5.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-archiver/3.4/plexus-archiver-3.4.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-archiver/3.1.1/maven-archiver-3.1.1.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-archiver/3.4/plexus-archiver-3.4.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-io/2.7.1/plexus-io-2.7.1.jar (86 kB at 11 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/commons/commons-compress/1.11/commons-compress-1.11.jar (100 kB at 159 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/org/iq80/snappy/snappy/0.4/snappy-0.4.jar (58 kB at 25 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/org/tukaani/xz/1.5/xz-1.5.jar (100 kB at 159 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-archiver/3.1.1/maven-archiver-3.1.1.jar (86 kB at 11 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-archiver/3.4/plexus-archiver-3.4.jar (100 kB at 159 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-io/2.7.1/plexus-io-2.7.1.jar (86 kB at 11 kB/s)
[INFO] Building jar: C:\Users\Usuario\Desktop\Programacion-3-stack\umg.edu.gt.data-structure.stack\target\umg.edu.gt.data-structure.stack.jar
[INFO] BUILD SUCCESS
[INFO] Total time: 01:24 min
[INFO] Finished at: 2026-02-20T11:11:48+01:00
[INFO]
```

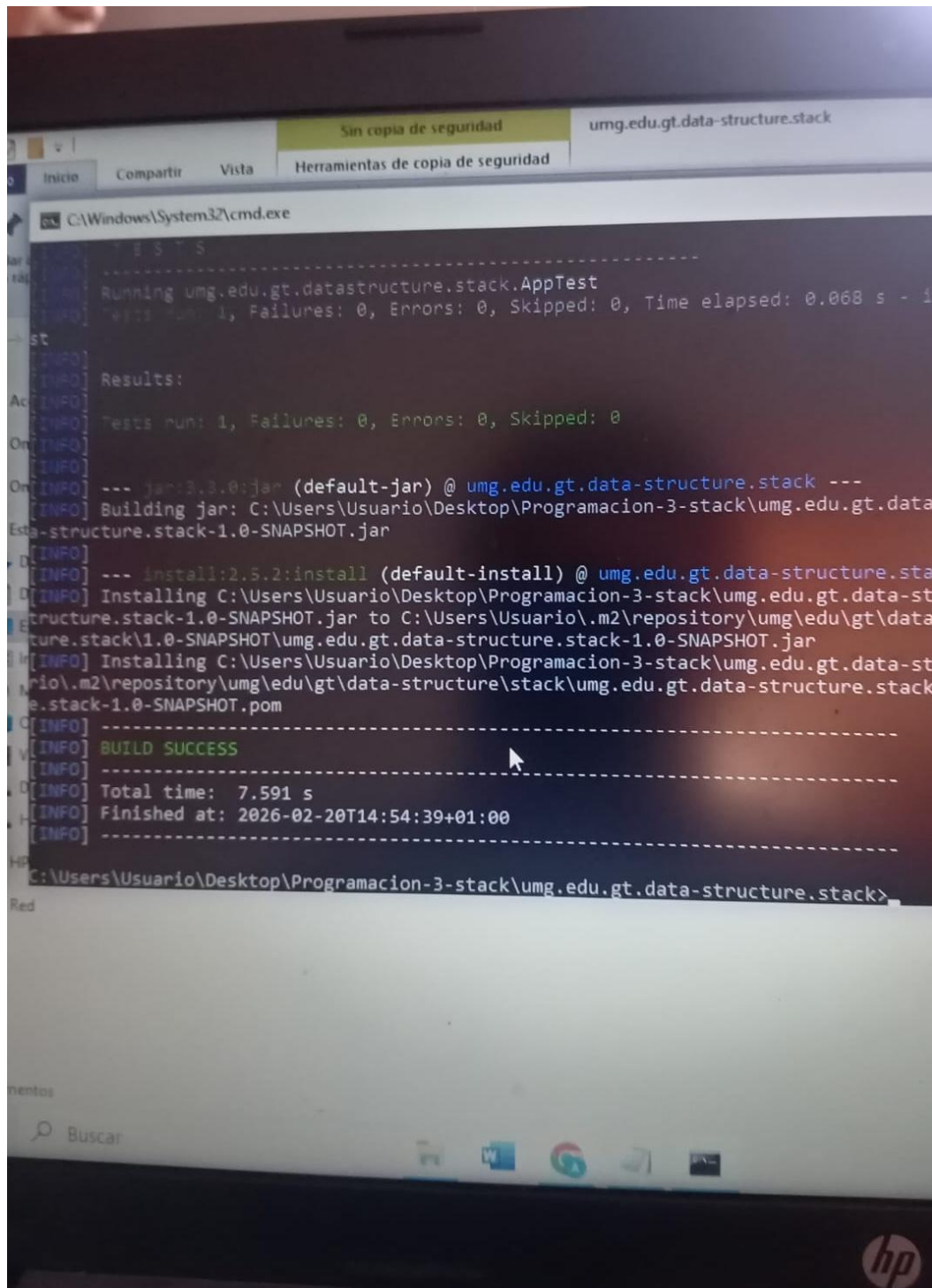
Es el proceso de descarga varias dependencias de repositorios centrrales.

```
[INFO] -----
[INFO] Total time: 9.533 s
[INFO] Finished at: 2026-02-20T18:59:16+01:00
[INFO] -----

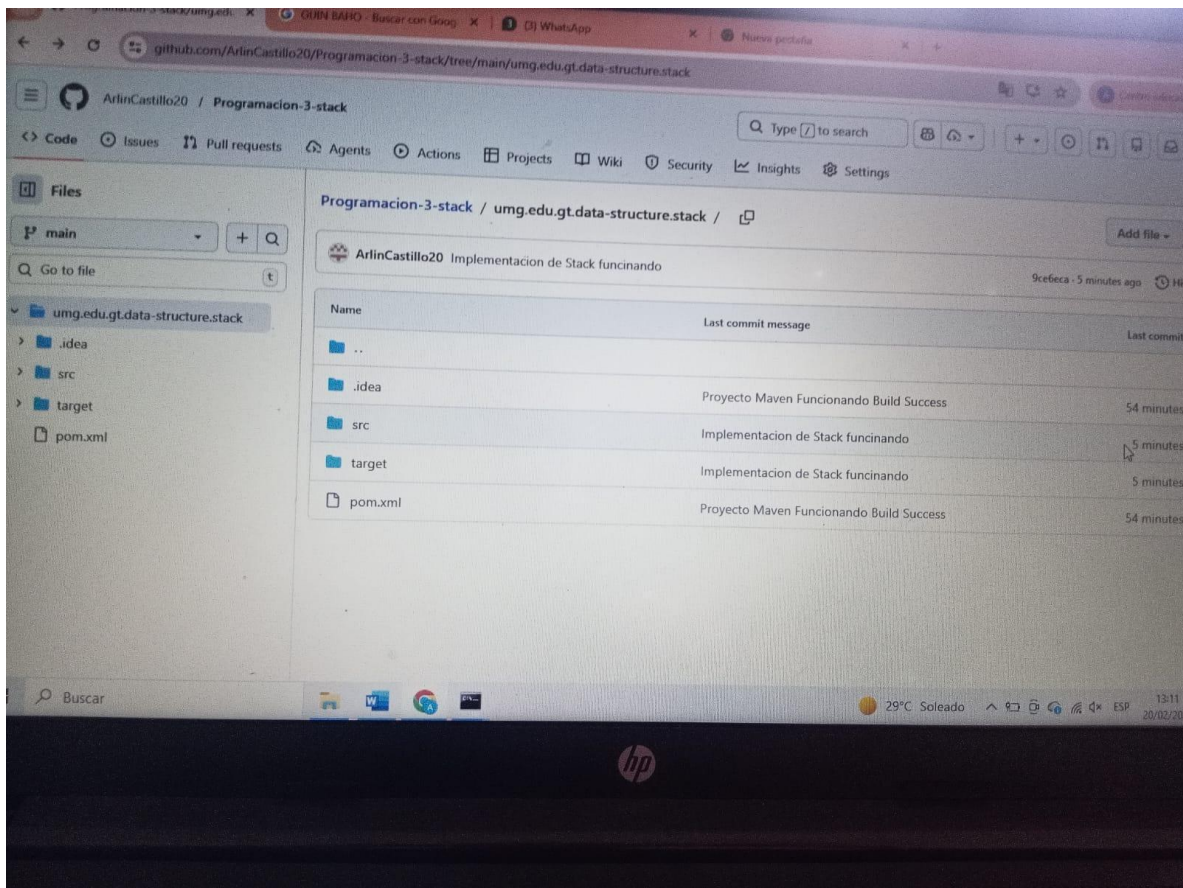
C:\Users\Usuario\Desktop\Programacion-3-stack\umg.edu.gt.data-structure.stack>mvn exec:java -Dexec.mainClass=
[INFO] Scanning for projects...
[INFO] --< umg.edu.gt.data-structure.stack:umg.edu.gt.data-structure.stack >---
[INFO] Building umg.edu.gt.data-structure.stack 1.0-SNAPSHOT
[INFO] from pom.xml
[INFO] -----[ jar ]-----
[INFO] --- exec:3.6.3:java (default-cli) @ umg.edu.gt.data-structure.stack ---
Prueba 1: {[()]}
Es válida? true
Prueba 2: {[()]}
Es válida? false
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 1.242 s
[INFO] Finished at: 2026-02-20T18:59:48+01:00
[INFO] -----

C:\Users\Usuario\Desktop\Programacion-3-stack\umg.edu.gt.data-structure.stack>
```

Es la ejecución del proyecto de programación, indicado que la prueba de validación es el proceso correo



La compilación y instalación del proyecto jar fue exitosa.



Aquí muestra como si esta subido el git hub.


```
[INFO] Results:
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0
[INFO]
[INFO] --- jar:3.3.0:jar (default-jar) @ umg.edu.gt.data-structure.stack ---
[INFO] Building jar: C:\Users\Usuario\Desktop\Programacion-3-stack\umg.edu.gt.data-structure.stack\target\umg.edu.gt
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 9.150 s
[INFO] Finished at: 2026-02-20T19:28:08+01:00
[INFO]
-----
C:\Users\Usuario\Desktop\Programacion-3-stack\umg.edu.gt.data-structure.stack>Cmvn exec:java -Dexec.mainClass=umg.ed
"Cmvn" no se reconoce como un comando interno o externo,
programa o archivo por lotes ejecutable.

C:\Users\Usuario\Desktop\Programacion-3-stack\umg.edu.gt.data-structure.stack>mvn exec:java -Dexec.mainClass=umg.edu
[INFO] Scanning for projects...
[INFO]
[INFO] --< umg.edu.gt.data-structure.stack:umg.edu.gt.data-structure.stack >---
[INFO] Building umg.edu.gt.data-structure.stack 1.0-SNAPSHOT
[INFO] from pom.xml
[INFO]
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- exec:3.6.3:java (default-cli) @ umg.edu.gt.data-structure.stack ---
Cantidad: 3
Nodo inicial: c
Pop: c
Cantidad luego pop: 2
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 1.430 s
[INFO] Finished at: 2026-02-20T19:33:07+01:00
[INFO]
-----
C:\Users\Usuario\Desktop\Programacion-3-stack\umg.edu.gt.data-structure.stack>
```

Son comandos ejecutando proyectos jabado llamado data.