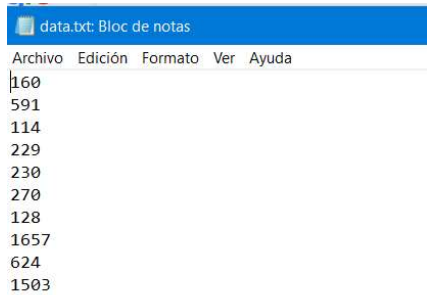


INTRODUCTION TO COMPLEX SYSTEMS, JAVA, MVN, AND GIT

Program to calculate the mean and standard deviation of a set of n real numbers.

The program reads the data.txt file located in src/data.txt



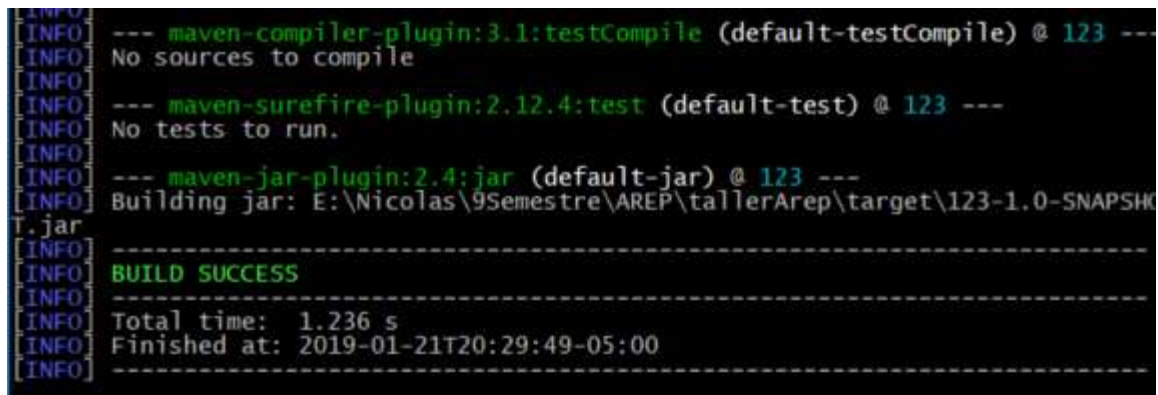
A screenshot of a text editor window titled "data.txt: Bloc de notas". The window has a menu bar with "Archivo", "Edición", "Formato", "Ver", and "Ayuda". The text content of the file is as follows:

```
160
591
114
229
230
270
128
1657
624
1503
```

And calculates the mean and deviation of that set of data.

To execute the program, it's necessary to execute the following commands

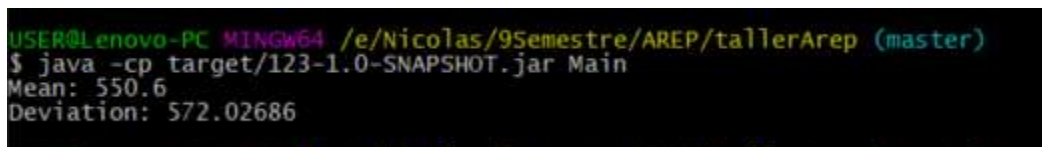
mvn package



A screenshot of a terminal window showing the output of the Maven build process. The output includes the following lines:

```
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ 123 ---
[INFO] No sources to compile
[INFO] --- maven-surefire-plugin:2.12.4:test (default-test) @ 123 ---
[INFO] No tests to run.
[INFO] --- maven-jar-plugin:2.4:jar (default-jar) @ 123 ---
[INFO] Building jar: E:\Nicolas\9Semestre\AREP\tallerArep\target\123-1.0-SNAPSHOT.jar
[INFO] BUILD SUCCESS
[INFO] Total time: 1.236 s
[INFO] Finished at: 2019-01-21T20:29:49-05:00
[INFO]
```

Java -cp target/123-1.0-SNAPSHOT.jar Main



A screenshot of a terminal window showing the execution of the Java program. The output is as follows:

```
USER@Lenovo-PC MINGW64 /e/Nicolas/9Semestre/AREP/tallerArep (master)
$ java -cp target/123-1.0-SNAPSHOT.jar Main
Mean: 550.6
Deviation: 572.02686
```