1. Clone this repository https://github.com/abdulmalikO7-m/java_project.git
2. Navigate inside the project's Directory
3. Execute maven clean

A: cloned it without using sudo this is old screenshot

```
[pranay@localhost optional1]$ sudo git clone https://github.com/abdulmalik07-m/java_project.git
Cloning into 'java_project'...
remote: Enumerating objects: 15, done.
remote: Counting objects: 100% (15/15), done.
remote: Compressing objects: 100% (11/11), done.
remote: Total 15 (delta 1), reused 13 (delta 0), pack-reused 0
Unpacking objects: 100% (15/15), done.
[pranay@localhost optional1]$ ls
java_project
[pranay@localhost optional1]$ cd java_project/
[pranay@localhost java_project]$ mvn clean
[INFO] Scanning for projects...
[INFO]
[INFO] --------------------< com.efsavage:hello-world-war >--------------------
[INFO] Building Hello World Web Application Repository 1.0.0
[INFO]    from pom.xml
[INFO] --------------------------------[ war ]---------------------------------
[INFO]
[INFO] --- clean:3.2.0:clean (default-clean) @ hello-world-war ---
[INFO] ------------------------------------------------------------------------
```

4. Execute mvn package

A:

```
[pranay@localhost java_project]$ mvn package
[INFO] Scanning for projects...
[INFO]
[INFO] --------------------< com.efsavage:hello-world-war >--------------------
[INFO] Building Hello World Web Application Repository 1.0.0
[INFO]    from pom.xml
[INFO] --------------------------------[ war ]---------------------------------
[INFO]
[INFO] --- resources:3.3.1:resources (default-resources) @ hello-world-war ---
[WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory /home/pranay/optional1/java_project/src/main/resources
[INFO]
[INFO] --- compiler:3.11.0:compile (default-compile) @ hello-world-war ---
[INFO] No sources to compile
[INFO]
[INFO] --- resources:3.3.1:testResources (default-testResources) @ hello-world-war ---
[WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory /home/pranay/optional1/java_project/src/test/resources
[INFO]
[INFO] --- compiler:3.11.0:testCompile (default-testCompile) @ hello-world-war ---
[INFO] No sources to compile
[INFO]
[INFO] --- surefire:3.1.2:test (default-test) @ hello-world-war ---
[INFO] No tests to run.
[INFO]
[INFO] --- war:3.3.0:war (default-war) @ hello-world-war ---
[INFO] Packaging webapp
[INFO] Assembling webapp [hello-world-war] in [/home/pranay/optional1/java_project/target/hello-world-war-1.0.0]
[INFO] Processing war project
[INFO] Copying webapp resources [/home/pranay/optional1/java_project/src/main/webapp]
[INFO] Building war: /home/pranay/optional1/java_project/target/hello-world-war-1.0.0.war
[INFO] ------------------------------------------------------------------------
[INFO] BUILD SUCCESS
```

5. A Directory named 'target' is created
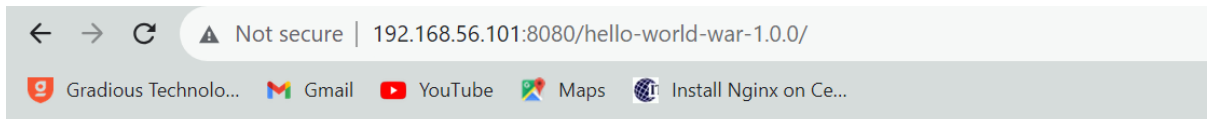6. Navigate inside 'target' directory and copy the the war file into tomcat 'webapps' Folder

A:

```
[pranay@localhost target]$ cp hello-world-war-1.0.0.war /opt/tomcat/webapps
[pranay@localhost target]$ cd /opt/tomcat/webapps
[pranay@localhost webapps]$ ls
docs  examples  hello-world-war-1.0.0  hello-world-war-1.0.0.war  host-manager  manager  ROOT
[pranay@localhost webapps]$ cd
[pranay@localhost ~]$ sudo systemctl restart tomcat
[sudo] password for pranay:
[pranay@localhost ~]$ sudo systemctl status tomcat
● tomcat.service - Apache Tomcat Web Application Container
   Loaded: loaded (/etc/systemd/system/tomcat.service; disabled; vendor preset: disabled)
   Active: active (exited) since Mon 2023-10-16 01:27:35 IST; 10s ago
```

7. Restart the tomcat and access your page
http://192.168.56.101:8080/hello-world-war-1.0.0/
A:

Hello World!

It is now Mon Oct 16 01:28:46 IST 2023

You are coming from 192.168.56.1