* **Manual project steps:(part 1)**

1. **Created two ec2 instances:**

* One instance name is maven1(using maven\_key)
* Second instance name is tomcat (using tomcat\_key)

**Maven: (prerequisites git, java, maven)**

1. Connecting maven instance to gitbash through maven key pair.
2. **Install git** (**Sudo yum install git**) to check the version of git (git –-version)
3. **Install java**(**sudo dnf install java-17-amazon-corretto-devel**) to check the version of java (java –-version)
4. Go to the github account and copy the repo url and come to gitbash (**git clone repo url** pasted here**)**
5. **Install maven** (**Sudo yum install maven**) to check the version (mvn –version)
6. Build the war/jar/ear files- **mvn clean package**

ls

cd myweb/

ls

mvn clean package

ls

cd target/

Ls (classes, maven-status)

**Tomcat: (prerequisites java,tomcat web server)**

1. Connect to the 2nd instance that is tomcat
2. **Install java** (**sudo dnf install java-17-amazon-corretto-devel**)
3. **Connect to the tomcat server** (**sudo su**)
4. (go to google-type tomcat- click on apache tomcat –welcome! -click on left side tomcat 9-right click on [tar.gz](https://dlcdn.apache.org/tomcat/tomcat-9/v9.0.102/bin/apache-tomcat-9.0.102.tar.gz) ([pgp](https://downloads.apache.org/tomcat/tomcat-9/v9.0.102/bin/apache-tomcat-9.0.102.tar.gz.asc), [sha512](https://downloads.apache.org/tomcat/tomcat-9/v9.0.102/bin/apache-tomcat-9.0.102.tar.gz.sha512)-copy link) and paste into the gitbash with sudo get copied link.

(**sudo wget https://dlcdn.apache.org/tomcat/tomcat-9/v9.0.102/bin/apache-tomcat-9.0.102.tar.gz)**

1. Type (ls) one red color file displayed with name(apache-tomcat-9.0.102.tar.gz) zip file
2. **Unzip the file** (**tar -xvf apache-tomcat-9.0.102.tar.gz**)
3. ls (file showed in blue color)
4. cd (apache-tomcat-9.0.102)
5. ls (it showed some files)
6. Cd webapps
7. ls.