## Build tool assignment

Write a shell script to automate install git, install maven, install java, install tomcat, pull repository which contains source code, build java application using maven steps and set tomcat server user configuration setting?

```
# Update package list
        sudo yum update -y
# Install git
        sudo yum install -y git
# Install java
        sudo yum install -y java
# Install maven
        sudo yum install -y maven
# Tomcat installation
# Download tomcat application using wget
        wget https://dlcdn.apache.org/tomcat/tomcat-10/v10.1.28/bin/apache-tomcat-10.1.28.tar.gz
# unzip the downloaded file
        tar -xvzf apache-tomcat-10.1.28.tar.gz
# remove compressed (tar.gz) file
        rm -rf apache-tomcat-10.1.28.tar.gz
# rename the file
        mv apache-tomcat-10.1.28 tomcat
# start the tomcat
        sh/home/ec2-user/tomcat/bin/startup.sh
# clone source code to local repo
        git clone <a href="https://github.com/sunilb66/java-hello-world-with-maven">https://github.com/sunilb66/java-hello-world-with-maven</a>
        cd java-hello-world-with-maven
        mvn clean install
        cd target
        cp/home/ec2-user/java-hello-world-with-maven/target/jb-hello-world-maven-
        0.2.0.jar/home/ec2-user/tomcat/webapps/
```

steps to configure tomcat server user configuration settings(server status/manager/host manager)

- 1. Add port number 8080 in inbound rules of ec2 instance
- 2. Navigate to path /home/ec2-user/tomcat/webapps/manager/META-INF
- 3. vi context.xml
- 4. comment out the value <!--<valve className="org.apache.catalina.valves.RemoteAddrValve" Allow="127\.\d+\.\d+\.\d+\:1|0:0:0:0:0:0:0:1"/>-->
- 5. navigate to path /home/ec2-user/tomcat/webapps/host-manager/META-INF
- 6. vi context.xml
- 8. navigate the path cd tomcat/conf
- 9. vi tomcat-users.xml
- 10. add roles and set username, passwords (admin, admin-gui, manager, manager-gui)
- 11. restart the tomcat sh tomcat/bin/startup.sh





## Tomcat Web Application Manager

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