# ASSIGNMENT -2

**Course: DevOps**
**Module: TOMCAT**
**Topic: Deploy in tomcat**
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**Batch No: 115 (9 am)**
**Assignment: 2**
**Date of Submission: 25-11-23**

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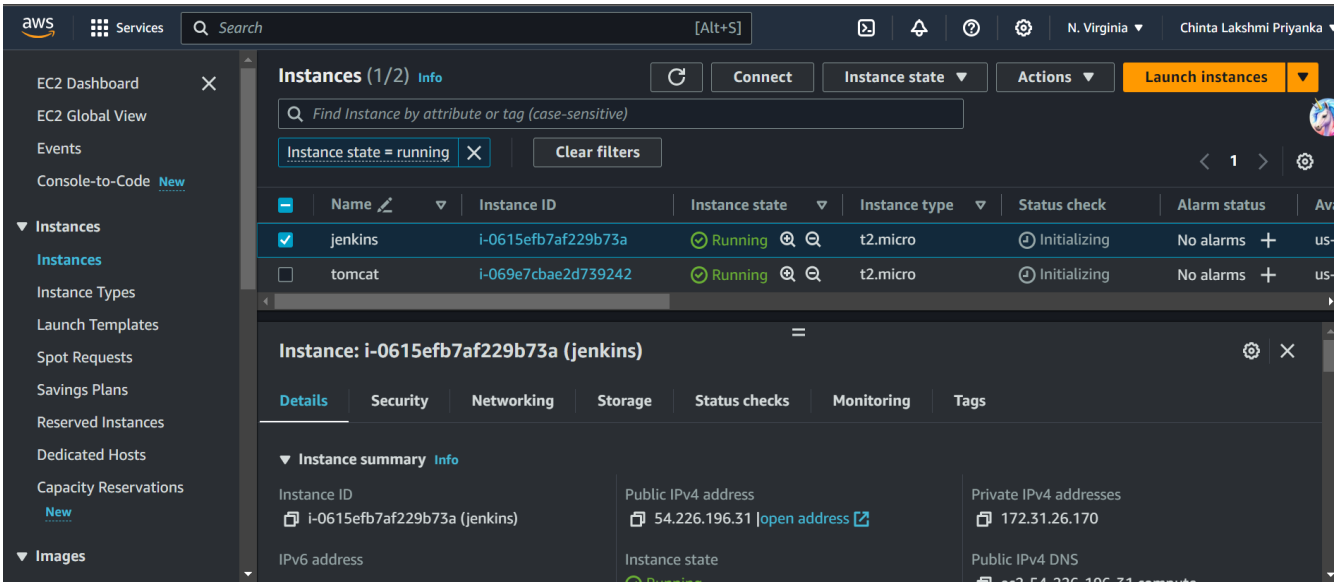
## TOPIC :

**By the below URL Please deploy the application in Tomcat**

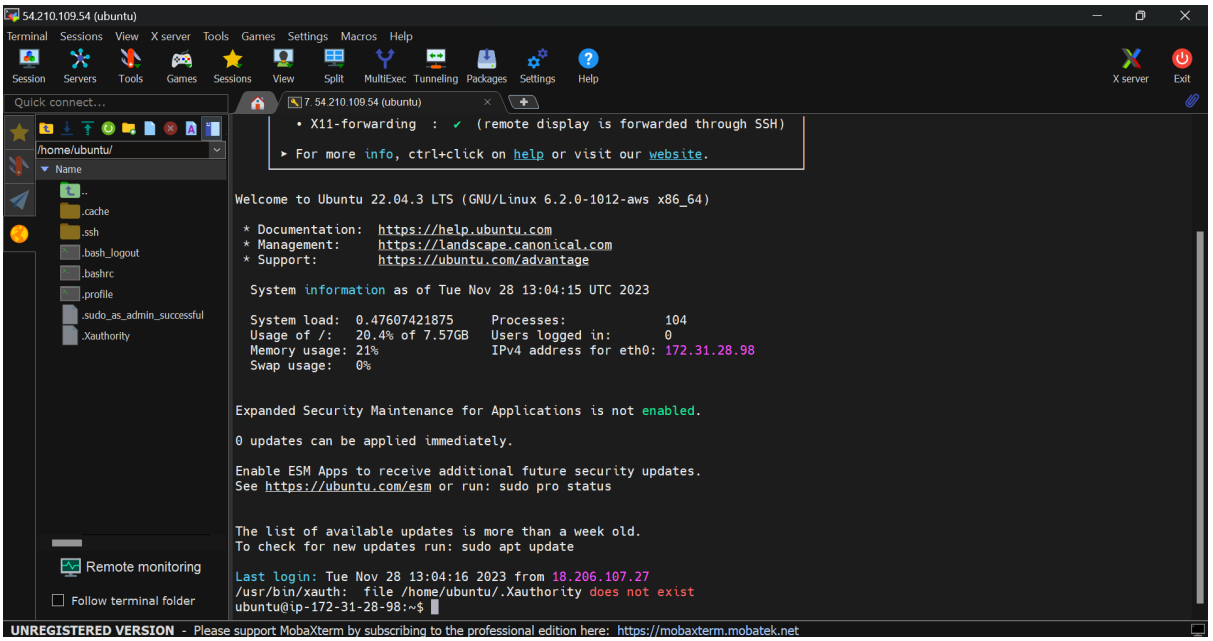
https://github.com/venna12/dockerjenkin.git

## AWS:

Two instances are created as Jenkins and Tomcat. The Jenkins instance is used to create JENKINS and the Tomcat instance is used to create the Tomcat server.

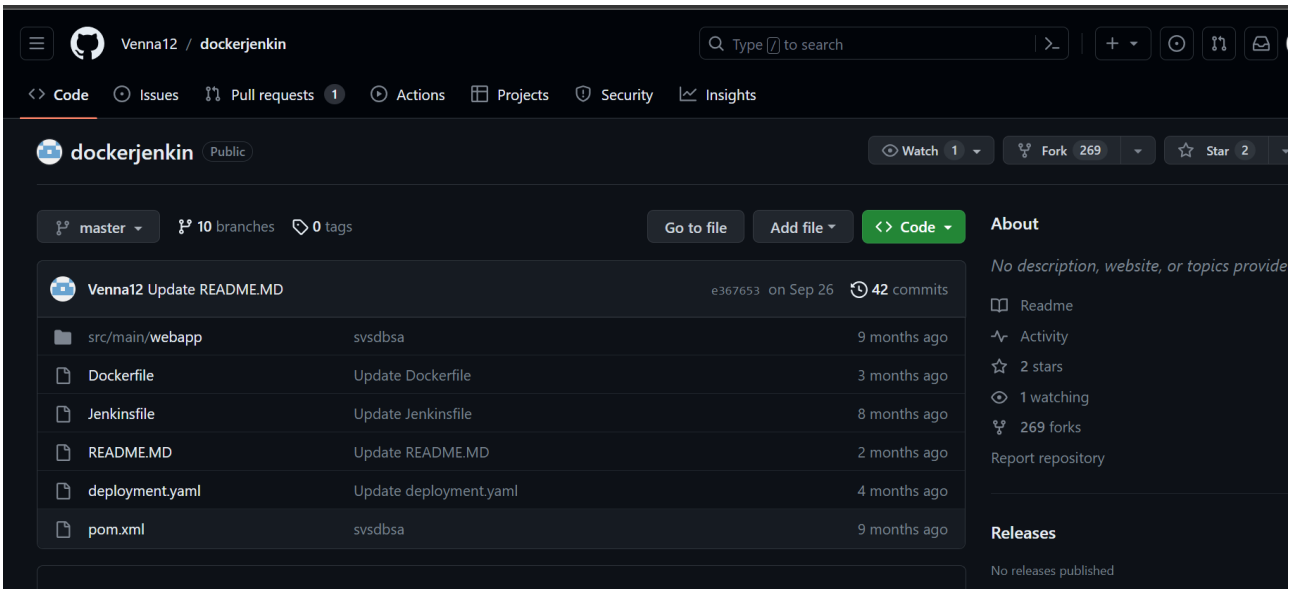


# SERVER CONNECTION:




It shows the connections of instances in mobaxterm, which is used to install Jenkins, tomcat, and required packages, and more.

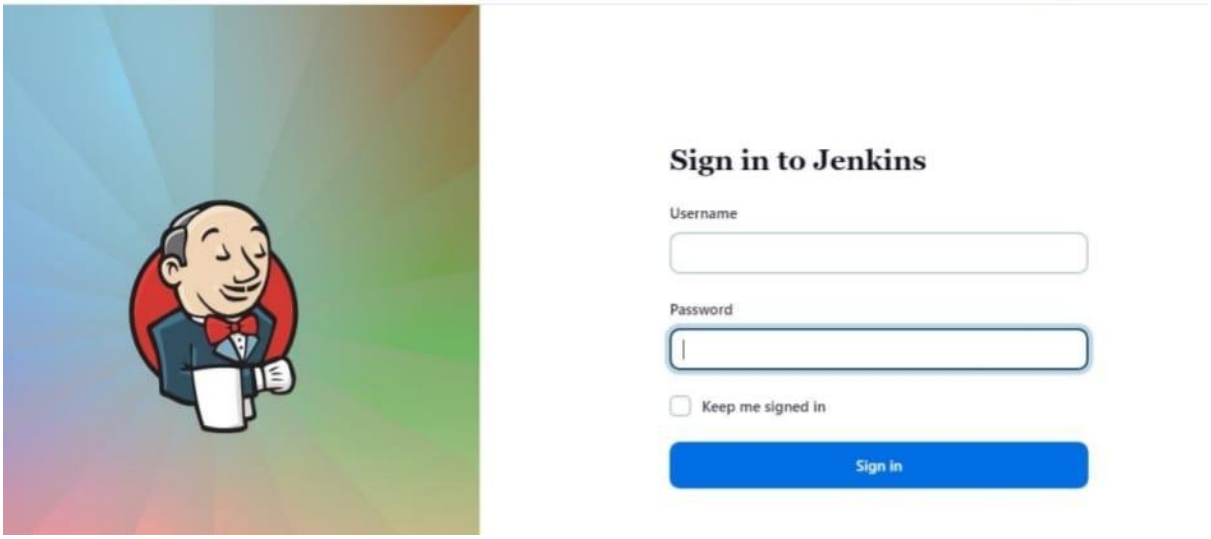
# GITHUB:




It shows that the git repository that which is used to deploy the

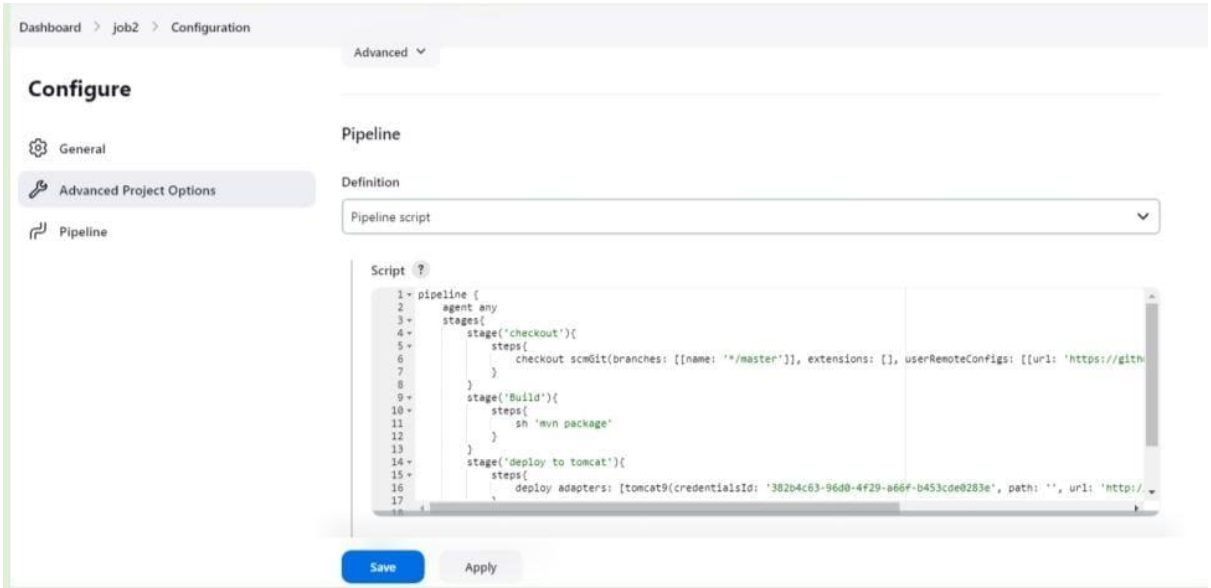
webapp in the Tomcat server. It is forked by the https://github.com/Venna12/dockerjenkin.git.

## JENKINS:




This is the Sigin page for Jenkins.

## PIPELINE:




pipeline job creation in the Jenkins.

## —- Execution of Application —

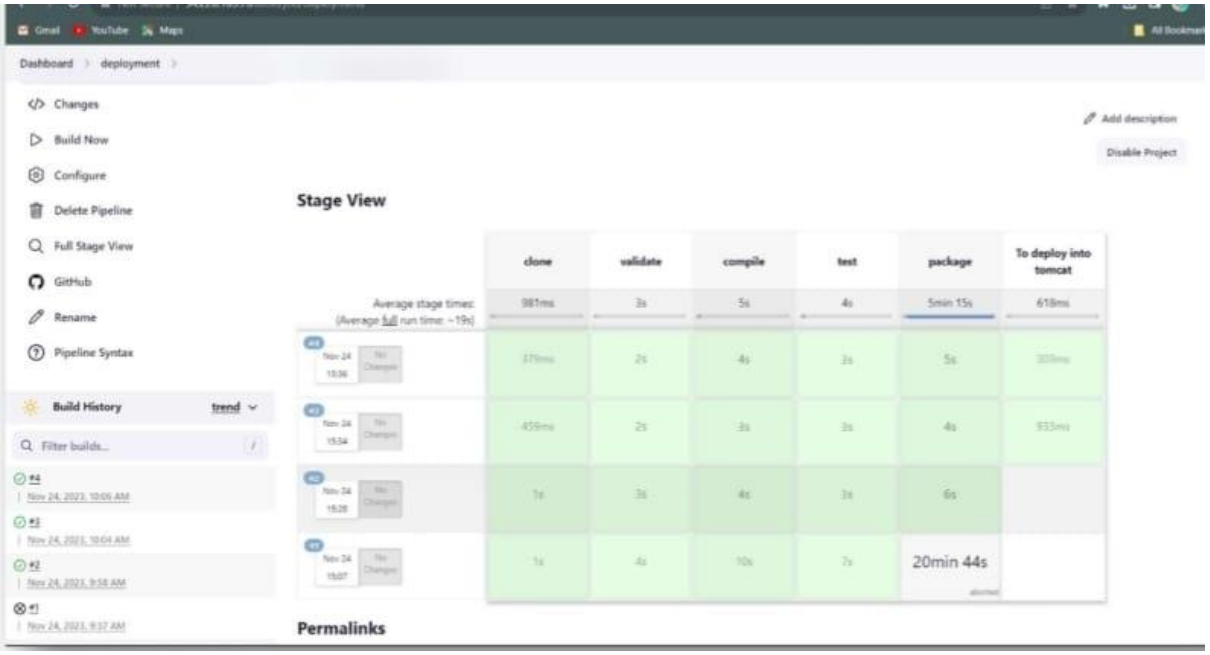
< We have to write the script for the pipeline to build the program, the script is Script

line syntax. Shown below. }

```
}
stage('mvn validate'){
steps{
sh 'mvn validate'   pipeline {
agent any
stages {
stage('Clone the Project'){
steps{
we get code from the pipe
}
}
stage('mvn compile'){
steps{
sh 'mvn compile'
}
}
stage('mvn test'){
steps{
sh 'mvn test'
}
}
stage('mvn package'){
steps{
sh 'mvn package'
}
}

}
}
```

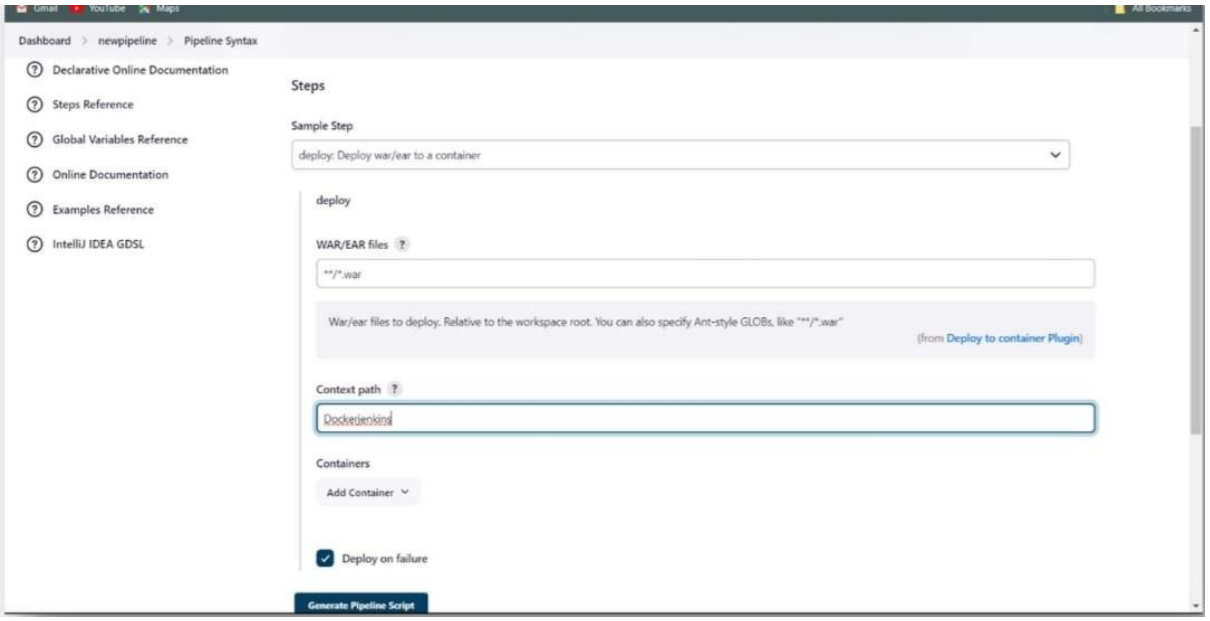
Now, build the code and run the code.




Application successfully build. Now,Install plugin for the deployment in the tomcat.

Deploy Container

To get tomcat script, we have to use pipeline syntax.




Tomcat and the host manager

**Tomcat Web Application Manager**

| Message: | OK |
|---|---|

| Manager | | | |
|---|---|---|---|
| List Applications | HTML Manager Help | Manager Help | Server Sta |

| Applications | | | | | |
|---|---|---|---|---|---|
| Path | Version | Display Name | Running | Sessions | Commands |
| / | None specified | Welcome to Tomcat | true | 0 | Start Stop Reload Undeploy<br>Expire sessions with idle ≥ 30 minutes |
| /docs | None specified | Tomcat Documentation | true | 0 | Start Stop Reload Undeploy<br>Expire sessions with idle ≥ 30 minutes |
| /examples | None specified | Servlet and JSP Examples | true | 0 | Start Stop Reload Undeploy<br>Expire sessions with idle ≥ 30 minutes |
| /host-manager | None specified | Tomcat Host Manager Application | true | 0 | Start Stop Reload Undeploy |

Now, after build the application . We will see the application in the host manager
It is named as docker file.Now we can see the console output as shown below

# OUTPUT: