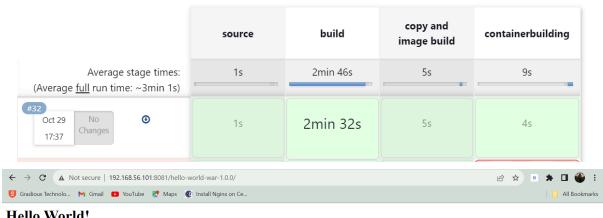
Assignment - 4 - Build a war file Deploy into the tomcat container using pipeline script

- 1.Use this repo link for pipeline project https://github.com/maheshgradious/java_project
- 2.Build a warfile using maven
- 3. Create a docker image of tomcat container and copy the .war build into it
- 4.Run the image as a container in docker

A:

```
[pranay@localhost ~]$ sudo docker images
REPOSITORY
                                                          CREATED
                                TAG
                                           IMAGE ID
                                                                          SIZE
tomcatimage
                                latest
                                           505a94637816
                                                                          1.02GB
                                                          7 days ago
```

5. Access the tomcat server using the url to display the web page A:



Hello World!

It is now Sun Oct 29 12:27:24 UTC 2023 You are coming from 192.168.56.1

```
Script:
pipeline{
```

```
agent any
stages{
  stage('source'){
    steps{
       git branch: 'main', url: 'https://github.com/maheshgradious/java_project'
  }
  stage('build'){
    steps{
      withSonarQubeEnv('sonar'){
         withMaven{
           sh "mvn clean verify sonar:sonar"
           sh "mvn package verify sonar:sonar"
         }
```

```
}
}
stage('copy and image build'){
    steps{
        sh "cp /var/lib/jenkins/workspace/pipeline1/target/hello-world-war-1.0.0.war
/home/pranay/tomcat_image"
        sh "docker build /home/pranay/tomcat_image -t tomcatimage "
    }
}
stage('containerbuilding'){
    steps{
        sh 'docker run -d -p 8081:8080 --name tomcat_container tomcatimage'
        sh 'docker start tomcat_container'
    }
}
```