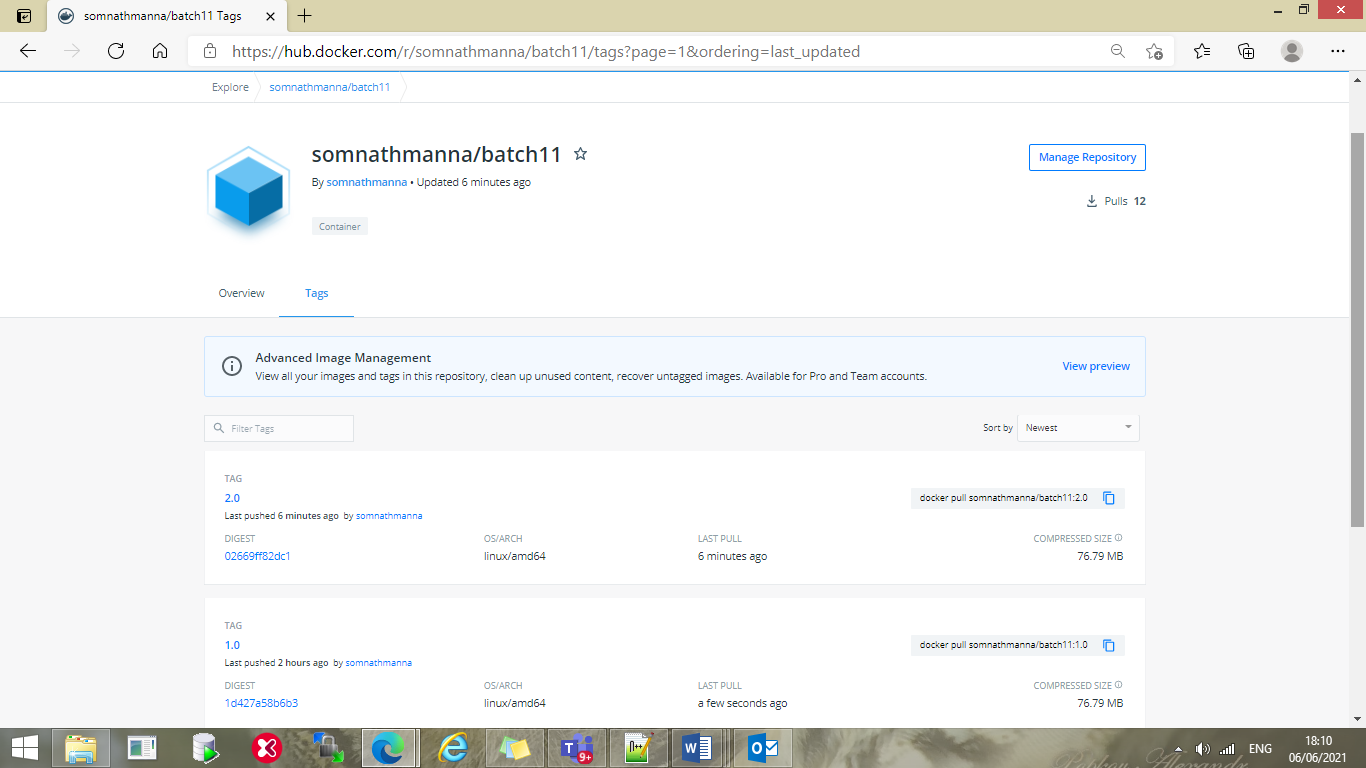
Name: Somnath Manna

Emp Id – 353617

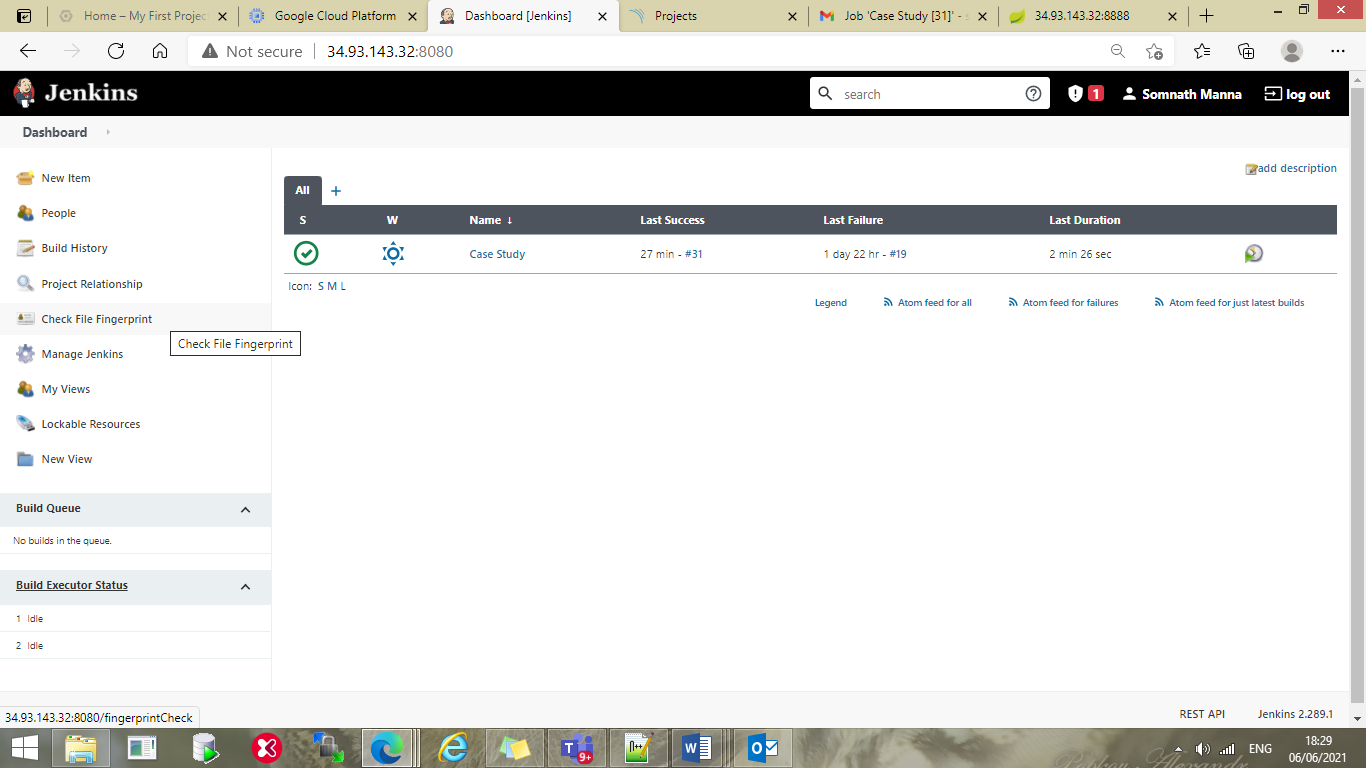
Email id- [somnath.manna@bt.com](mailto:somnath.manna@bt.com) / s.manna@tcs.com

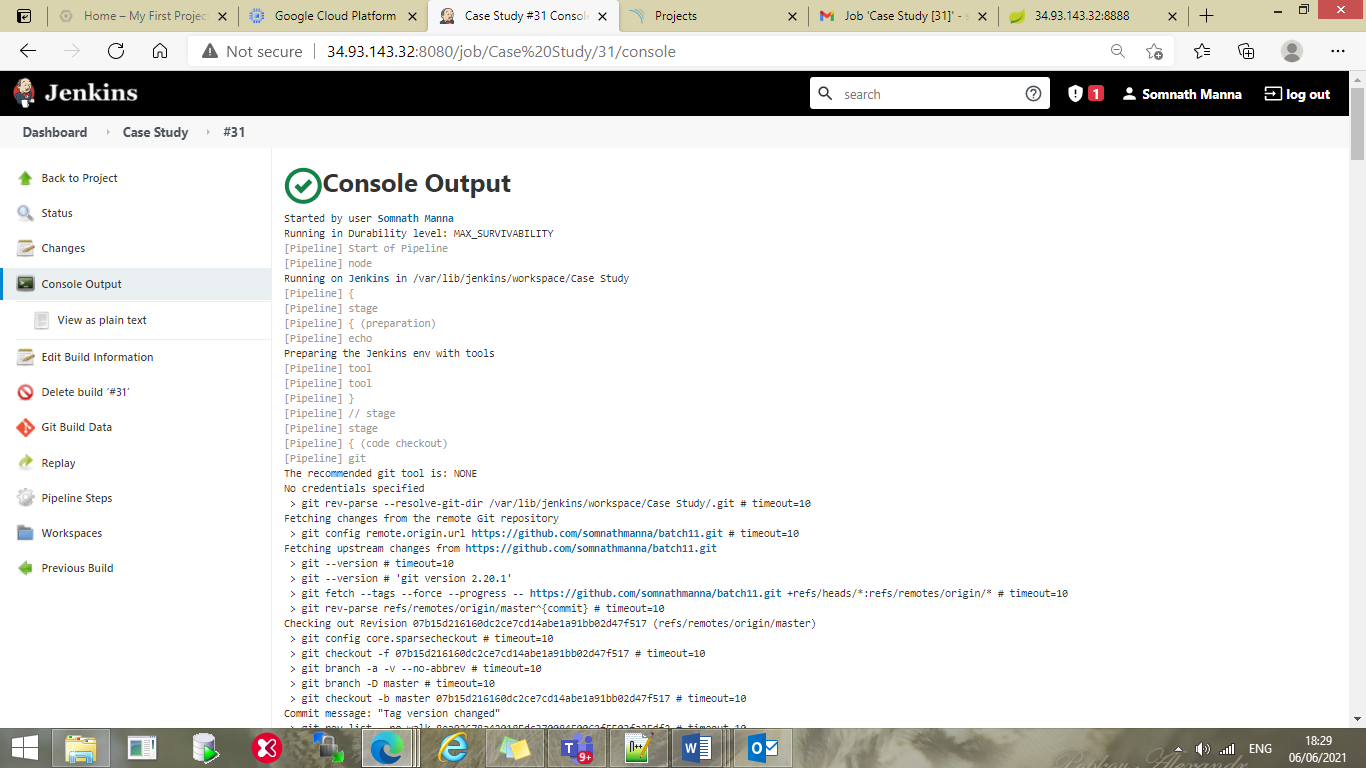
Your GIT Repository URL: https://github.com/somnathmanna/batch11.git

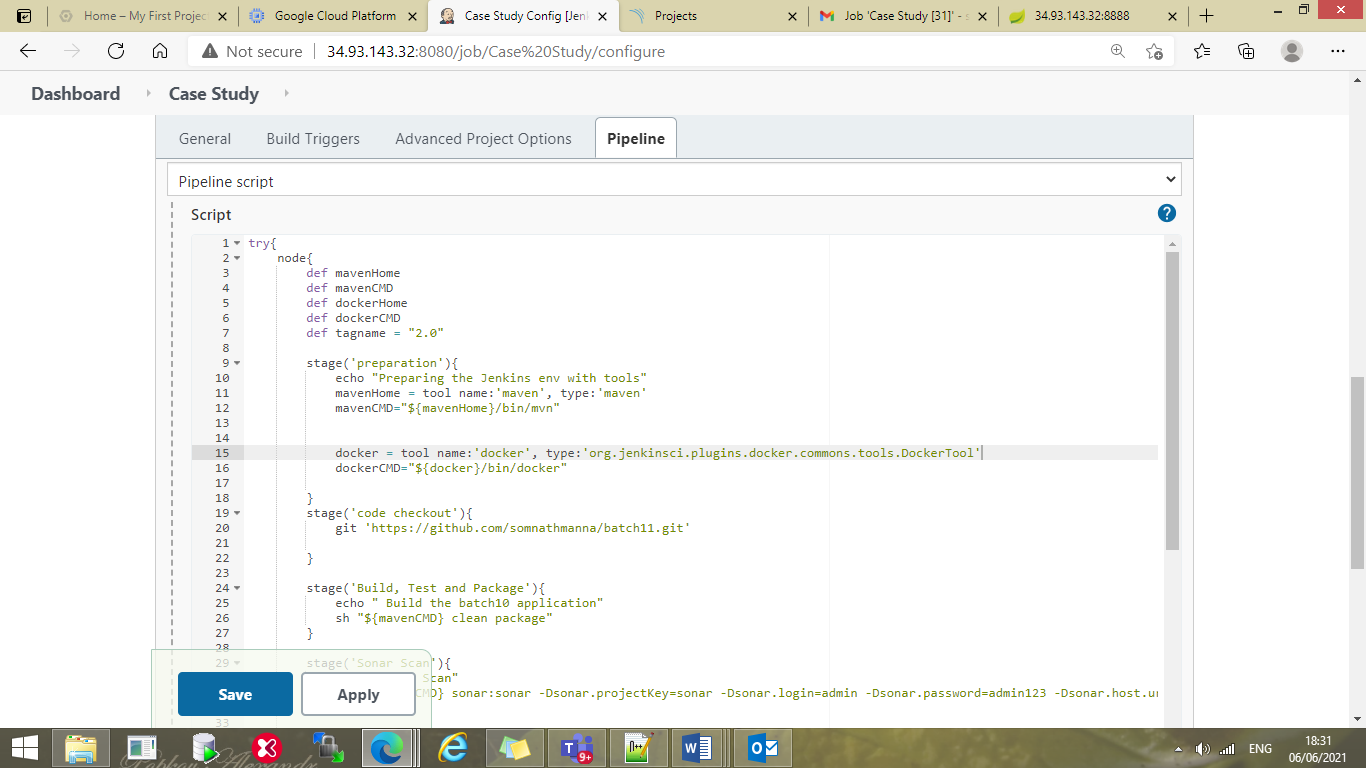
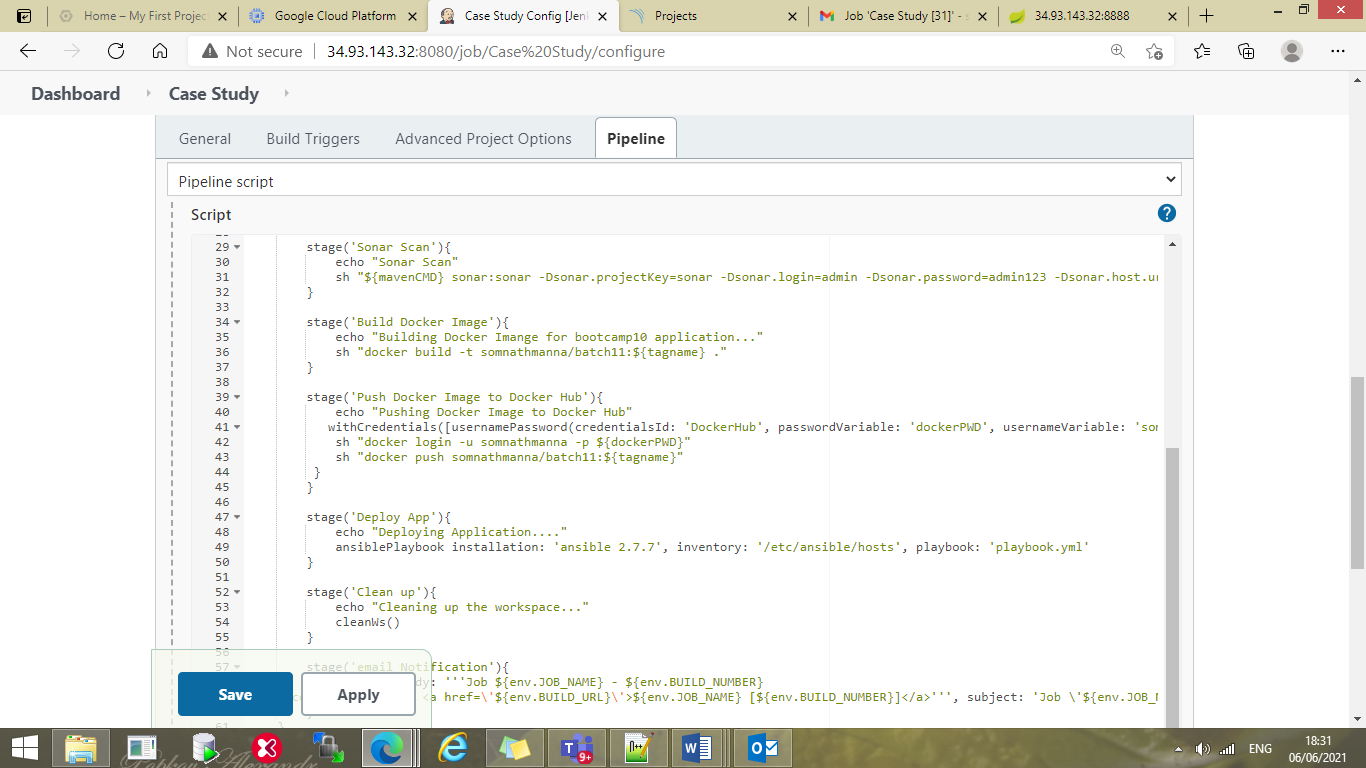
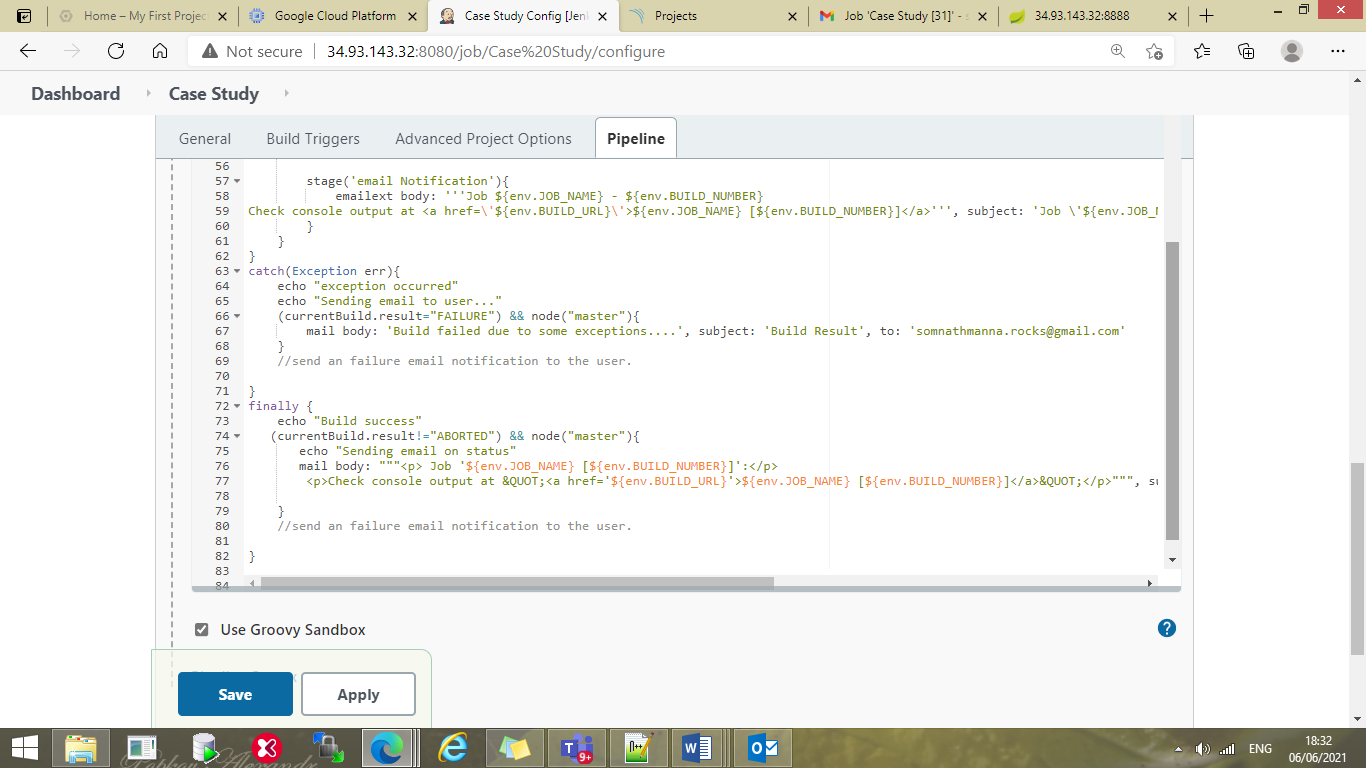
Attach Screenshot of your Docker file:



Attach Screenshot of your Jenkinsfile:





try{

node{

def mavenHome

def mavenCMD

def dockerHome

def dockerCMD

def tagname = "2.0"

stage('preparation'){

echo "Preparing the Jenkins env with tools"

mavenHome = tool name:'maven', type:'maven'

mavenCMD="${mavenHome}/bin/mvn"

docker = tool name:'docker', type:'org.jenkinsci.plugins.docker.commons.tools.DockerTool'

dockerCMD="${docker}/bin/docker"

}

stage('code checkout'){

git 'https://github.com/somnathmanna/batch11.git'

}

stage('Build, Test and Package'){

echo " Build the batch10 application"

sh "${mavenCMD} clean package"

}

stage('Sonar Scan'){

echo "Sonar Scan"

sh "${mavenCMD} sonar:sonar -Dsonar.projectKey=sonar -Dsonar.login=admin -Dsonar.password=admin123 -Dsonar.host.url=http://34.93.143.32:9000/"

}

stage('Build Docker Image'){

echo "Building Docker Imange for bootcamp10 application..."

sh "docker build -t somnathmanna/batch11:${tagname} ."

}

stage('Push Docker Image to Docker Hub'){

echo "Pushing Docker Image to Docker Hub"

withCredentials([usernamePassword(credentialsId: 'DockerHub', passwordVariable: 'dockerPWD', usernameVariable: 'somnathmanna')]) {

sh "docker login -u somnathmanna -p ${dockerPWD}"

sh "docker push somnathmanna/batch11:${tagname}"

}

}

stage('Deploy App'){

echo "Deploying Application...."

ansiblePlaybook installation: 'ansible 2.7.7', inventory: '/etc/ansible/hosts', playbook: 'playbook.yml'

}

stage('Clean up'){

echo "Cleaning up the workspace..."

cleanWs()

}

stage('email Notification'){

emailext body: '''Job ${env.JOB\_NAME} - ${env.BUILD\_NUMBER}

Check console output at <a href=\'${env.BUILD\_URL}\'>${env.JOB\_NAME} [${env.BUILD\_NUMBER}]</a>''', subject: 'Job \'${env.JOB\_NAME} - ${env.BUILD\_NUMBER}\'', to: 'somnathmanna.rocks@gmail.com'

}

}

}

catch(Exception err){

echo "exception occurred"

echo "Sending email to user..."

(currentBuild.result="FAILURE") && node("master"){

mail body: 'Build failed due to some exceptions....', subject: 'Build Result', to: 'somnathmanna.rocks@gmail.com'

}

//send an failure email notification to the user.

}

finally {

echo "Build success"

(currentBuild.result!="ABORTED") && node("master"){

echo "Sending email on status"

mail body: """<p> Job '${env.JOB\_NAME} [${env.BUILD\_NUMBER}]':</p>

<p>Check console output at &QUOT;<a href='${env.BUILD\_URL}'>${env.JOB\_NAME} [${env.BUILD\_NUMBER}]</a>&QUOT;</p>""", subject: "Job '${env.JOB\_NAME} [${env.BUILD\_NUMBER}]'" , to: 'somnathmanna.rocks@gmail.com'

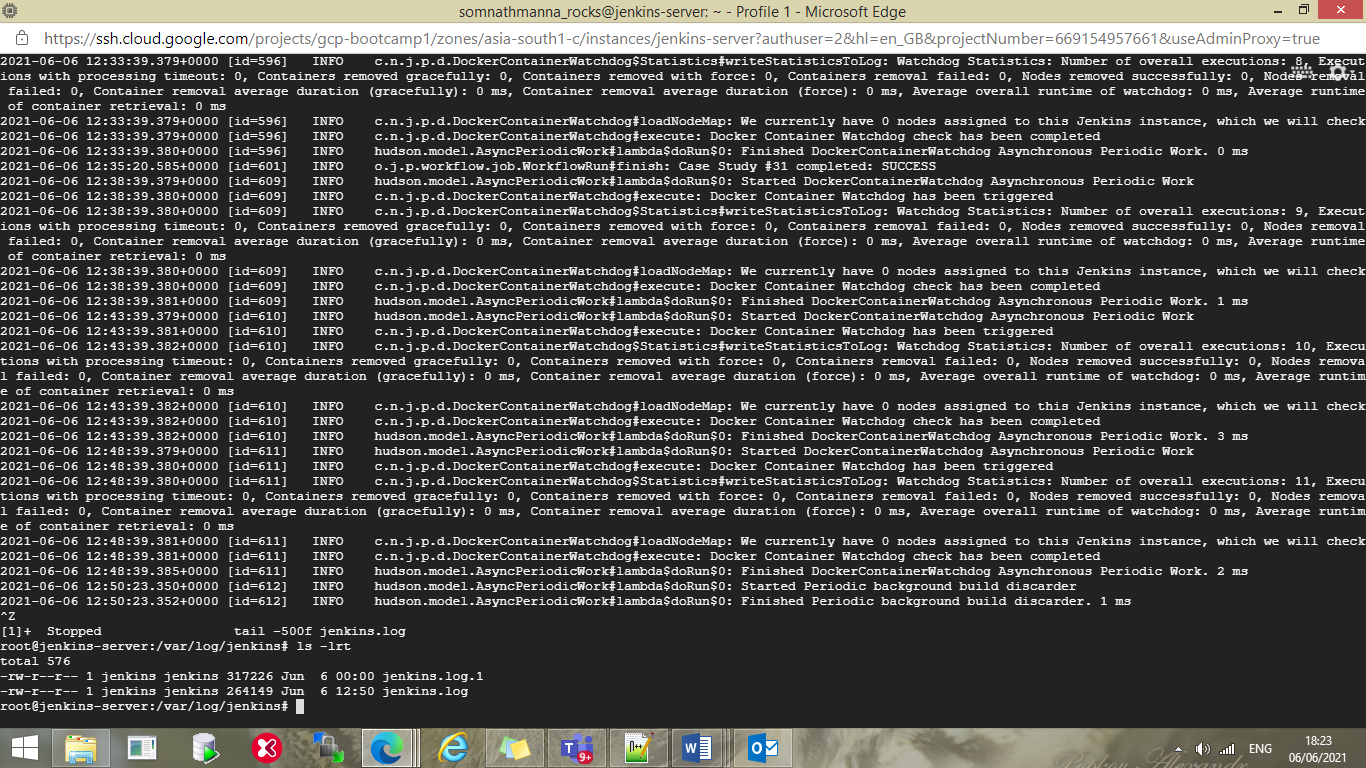
}

//send an failure email notification to the user.

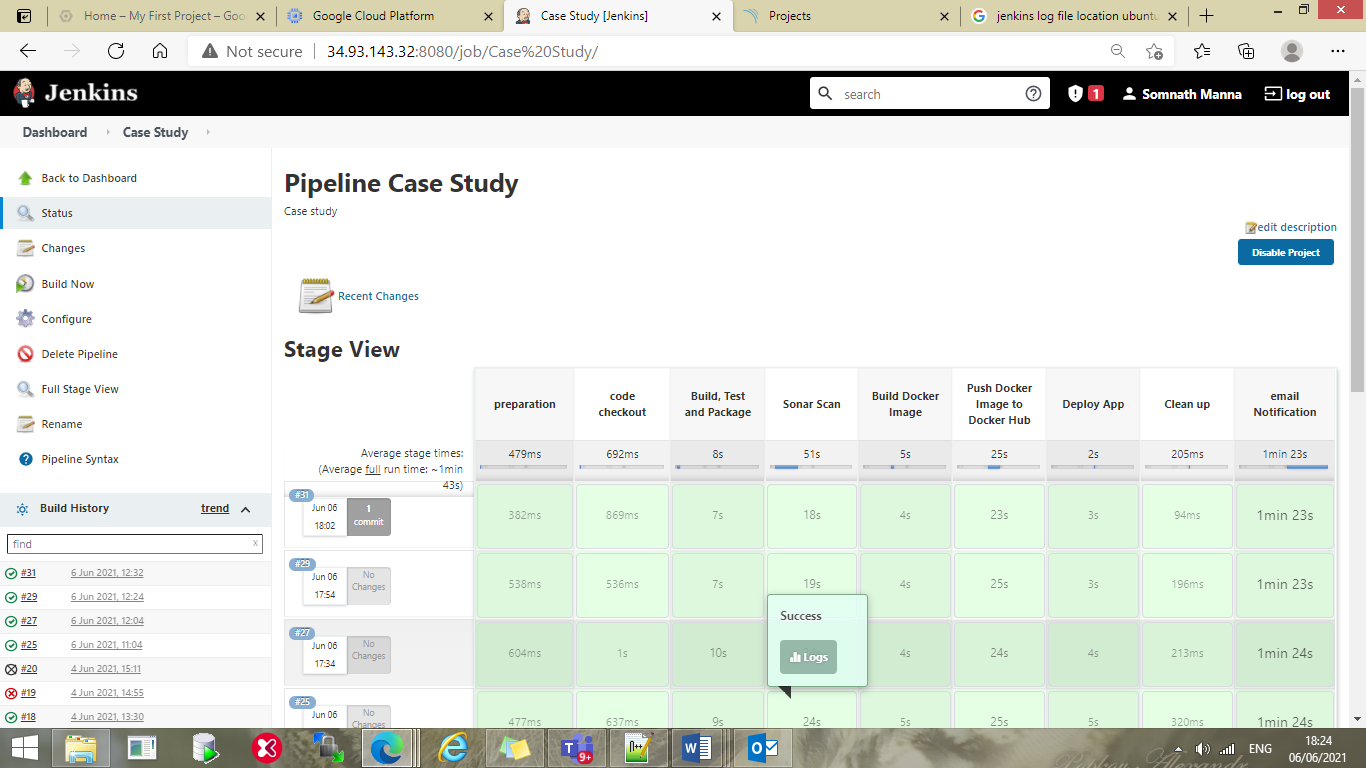
}

Upload Jenkins Log file in the repo:

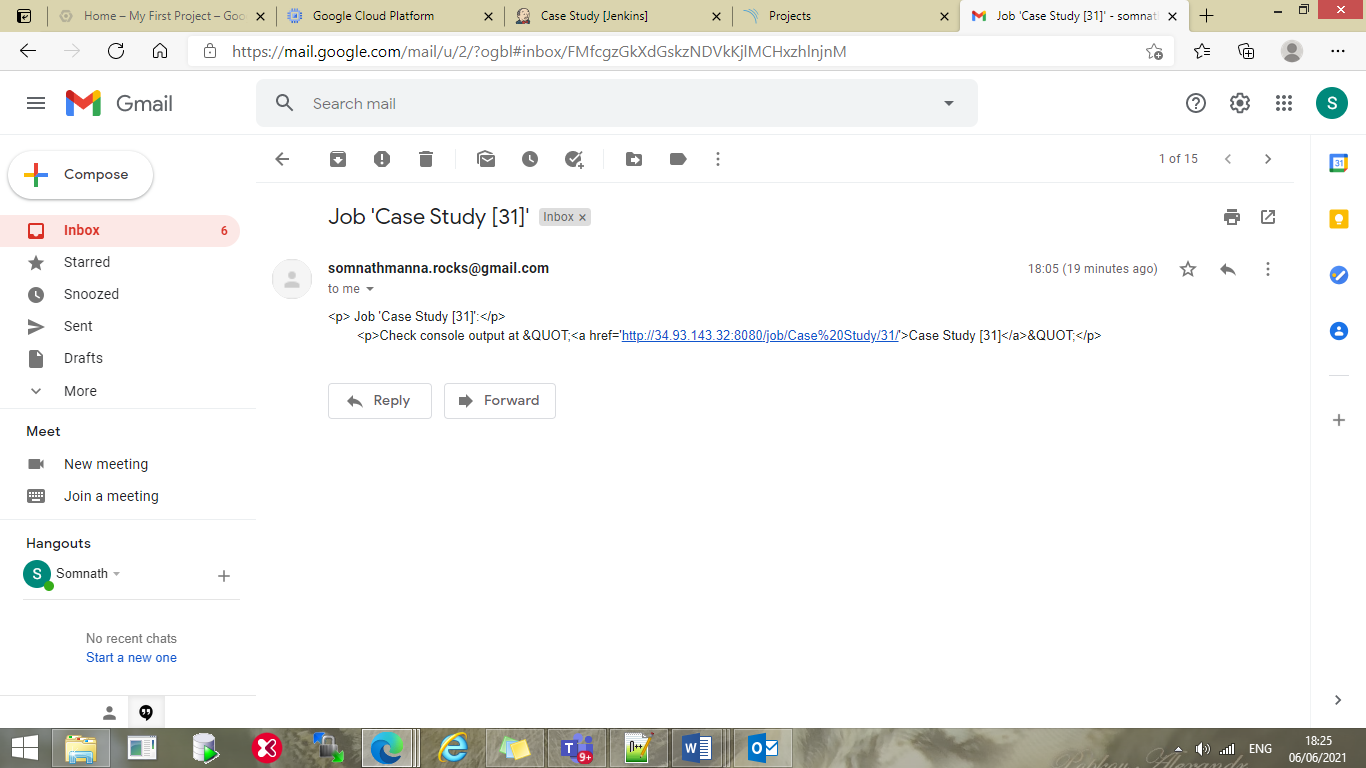




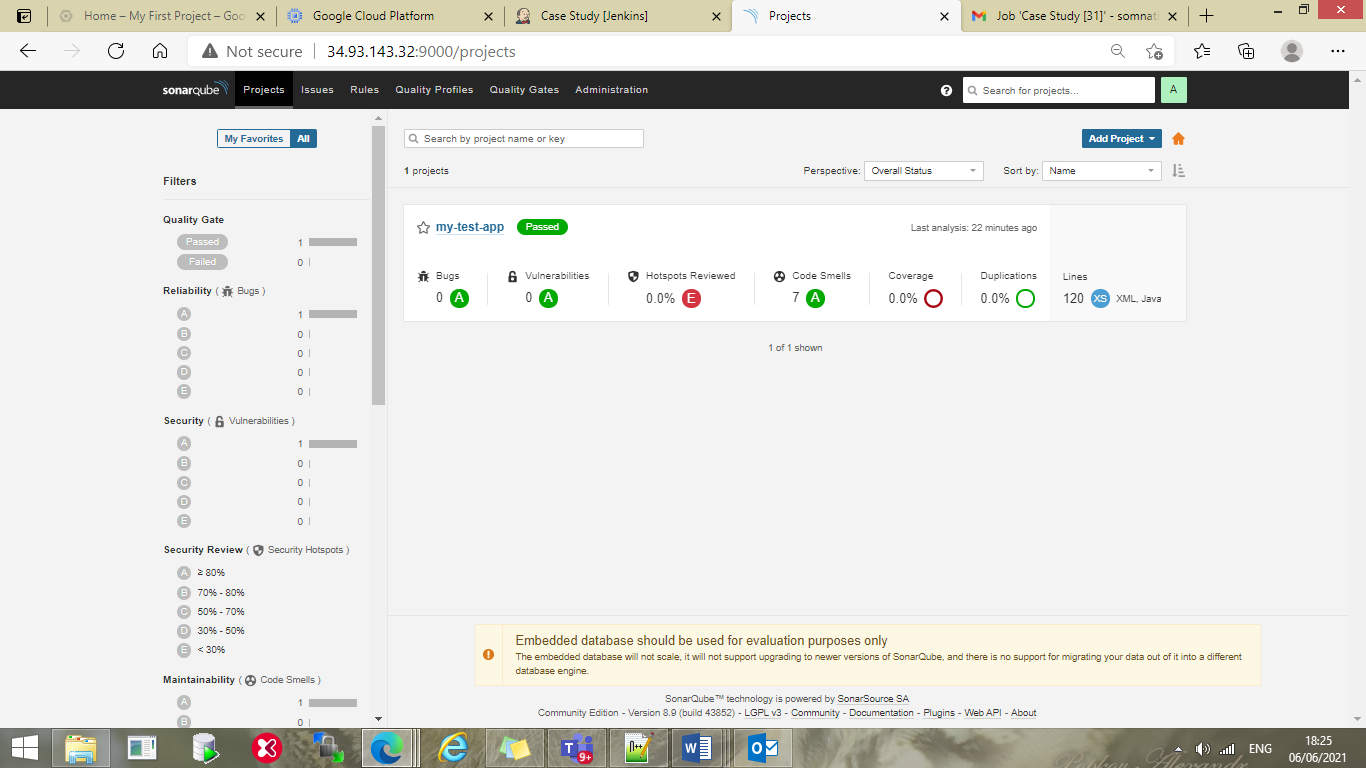
Attach the screenshot of Jenkins Pipeline job status:



Attach the screenshot of email notification for the Jenkins Build



Attach the screenshot of SonarQube report



Attach the screenshot of AppScan Report: Not able to configure AppScan

Attach the screenshot of your Ansible Playbook execution logs:



Attach the screenshot of the working application home page on GCP:

