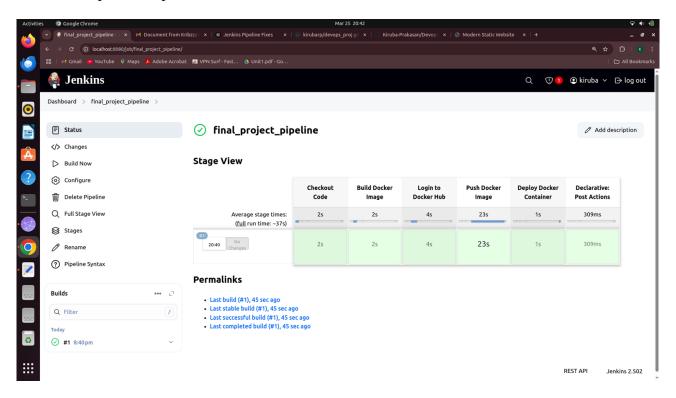
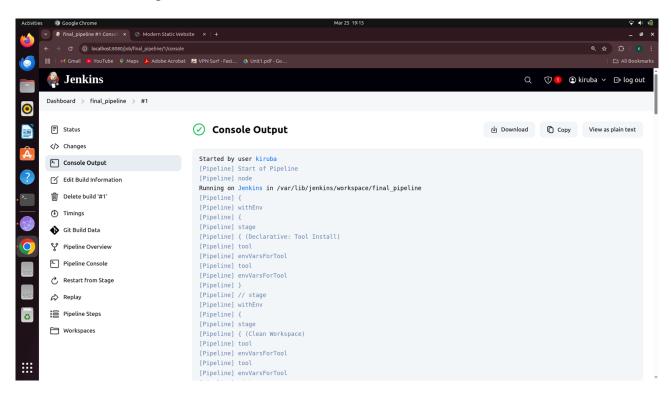
FINAL PROJECT - KIRUBA R P (22ITR046) IT - 'A'

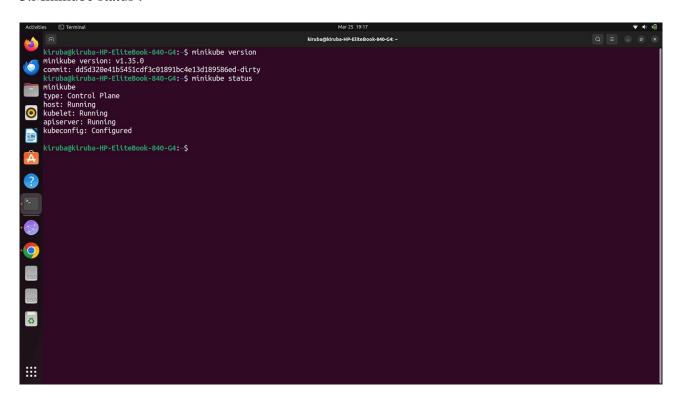
1. Jenkins Pipeline output:



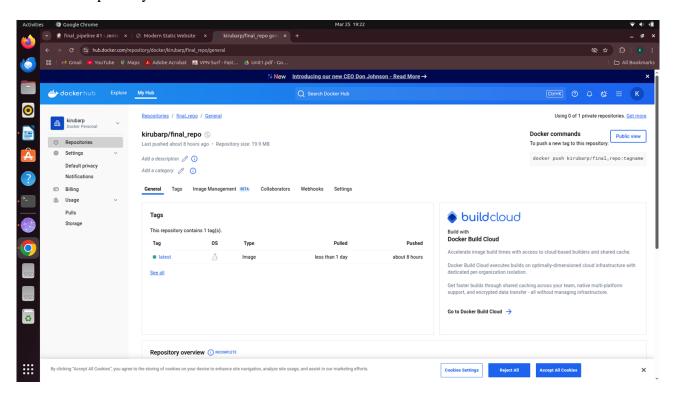
2. Jenkins Console output:



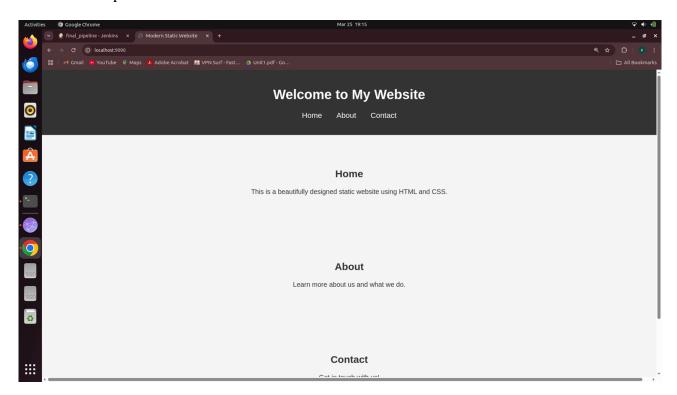
3. Minikube status:



4.Docker Repository:



5. Webiste Output:



Pipeline script:

```
pipeline {
  agent any
  tools {
    jdk 'jdk21'
    nodejs 'node20'
  environment {
    IMAGE_NAME = "kirubarp/final_repo"
    CONTAINER_NAME = "static-website-container"
    TAG = "latest"
    DEPLOYMENT_FILE = "deployment.yaml"
    KUBECONFIG = "/var/lib/jenkins/.kube/config"
  }
  stages {
    stage('Setup Minikube Docker') {
       steps {
         script {
           sh "eval \$(minikube docker-env)"
    stage('Clean Workspace') {
       steps {
```

```
script {
          echo "Cleaning workspace..."
          deleteDir()
     }
  }
  stage('Git Checkout') {
     steps {
       script {
         git branch: 'main',
            credentialsId: 'github_seccred',
            url: 'https://github.com/Kiruba-Prakasan/final_repo.git'
       }
     }
  }
  stage('Docker Build & Push to Minikube') {
     steps {
       script {
         sh "docker build -t ${IMAGE_NAME}:${TAG} ."
     }
  }
  stage('Deploy to Minikube') {
     steps {
       script {
         sh "kubectl apply --validate=false -f ${DEPLOYMENT_FILE}"
     }
  }
}
post {
  success {
    script {
       def minikube_ip = sh(script: 'minikube ip', returnStdout: true).trim()
       echo "Deployment Successful! Website is live at http://${minikube_ip}:30080"
  }
  failure {
     echo "Deployment Failed! Check logs for errors."
```

}