FINAL PROJECT – Mithra S (22ITR061) IT – ‘A’

1. Jenkins Pipeline output:

A screenshot of a computer

AI-generated content may be incorrect.

2.Jenkins Console output :

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AI-generated content may be incorrect.

3.Minikube status & minikube ip

A screenshot of a computer

AI-generated content may be incorrect.

4.Docker Repository :

A screenshot of a computer

AI-generated content may be incorrect.

5. Webiste Output :

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Pipeline script :

pipeline {  
    agent any  
    environment {  
        DOCKER\_IMAGE = "mithras72/html-deploy"  
        DOCKER\_TAG = "latest"  
        DOCKER\_CREDENTIALS\_ID = "docker"  
    }  
    stages {  
        stage('Checkout Code') {  
            steps {  
                git url: '<https://github.com/Mithra07-Sriram/devops_final_project.git>', branch: 'main'  
            }  
        }  
        stage('Build Docker Image') {  
            steps {  
                echo "Building Docker image..."  
                sh 'docker build -t $DOCKER\_IMAGE:$DOCKER\_TAG .'  
            }  
        }  
        stage('Login to Docker Hub') {  
            steps {  
                echo "Logging into Docker Hub..."  
                withCredentials([usernamePassword(credentialsId: DOCKER\_CREDENTIALS\_ID, usernameVariable: 'DOCKER\_USER', passwordVariable: 'DOCKER\_PASS')]) {  
                    sh 'echo $DOCKER\_PASS | docker login -u $DOCKER\_USER --password-stdin'  
                }  
            }  
        }  
        stage('Push Docker Image') {  
            steps {  
                echo "Pushing Docker image to Docker Hub..."  
                sh 'docker push $DOCKER\_IMAGE:$DOCKER\_TAG'  
            }  
        }  
        stage('Deploy Docker Container') {  
            steps {  
                echo "Deploying Docker container..."  
                sh '''  
                docker stop html-container || true  
                docker rm html-container || true  
                docker run -d -p 8081:80 --name html-container $DOCKER\_IMAGE:$DOCKER\_TAG  
                '''  
            }  
        }  
    }  
    post {  
        success {  
            echo "Deployment Successful! Access at [http://your-server-ip:8081](http://your-server-ip:8081/)"  
        }  
        failure {  
            echo "Deployment Failed!"  
        }  
    }  
}