

2.PIPELINE SCRIPT:

pipeline {

agent any

tools {

jdk 'jdk21'

nodejs 'node20'

}

stages {

stage('Clean Workspace') {

steps {

script {

echo "Cleaning workspace..."

deleteDir() // Deletes everything in the Jenkins workspace before starting

}

}

}

stage('Git Checkout') {

steps {

script {

git branch: 'main',

credentialsId: 'github\_seccred',

url: 'https://github.com/ashoknirmal/devops\_sample.git'

}

}

}

stage('Install Node') {

steps {

script {

sh '''

if [ -f package.json ]; then

echo "package.json found. Running npm install..."

npm install

else

echo "ERROR: package.json is missing. Skipping npm install."

exit 1

fi

'''

}

}

}

stage('Docker Build & Push') {

steps {

script {

withDockerRegistry(credentialsId: 'docker', toolName: 'docker') {

def imageName = "ashok3182004/ashok"

def tag = "latest"

sh "docker build -t ${imageName} ."

sh "docker tag ${imageName} ${imageName}:${tag}"

sh "docker push ${imageName}:${tag}"

}

}

}

}

stage('Deploy Docker Container') {

steps {

script {

// Stop and remove the existing container if it's running

sh "docker stop ashok\_container || true"

sh "docker rm ashok\_container || true"

// Run the new container

sh "docker run -d --name ashok\_container -p 3001:3000 ashok3182004/ashok:latest"

}

}

}

}

}