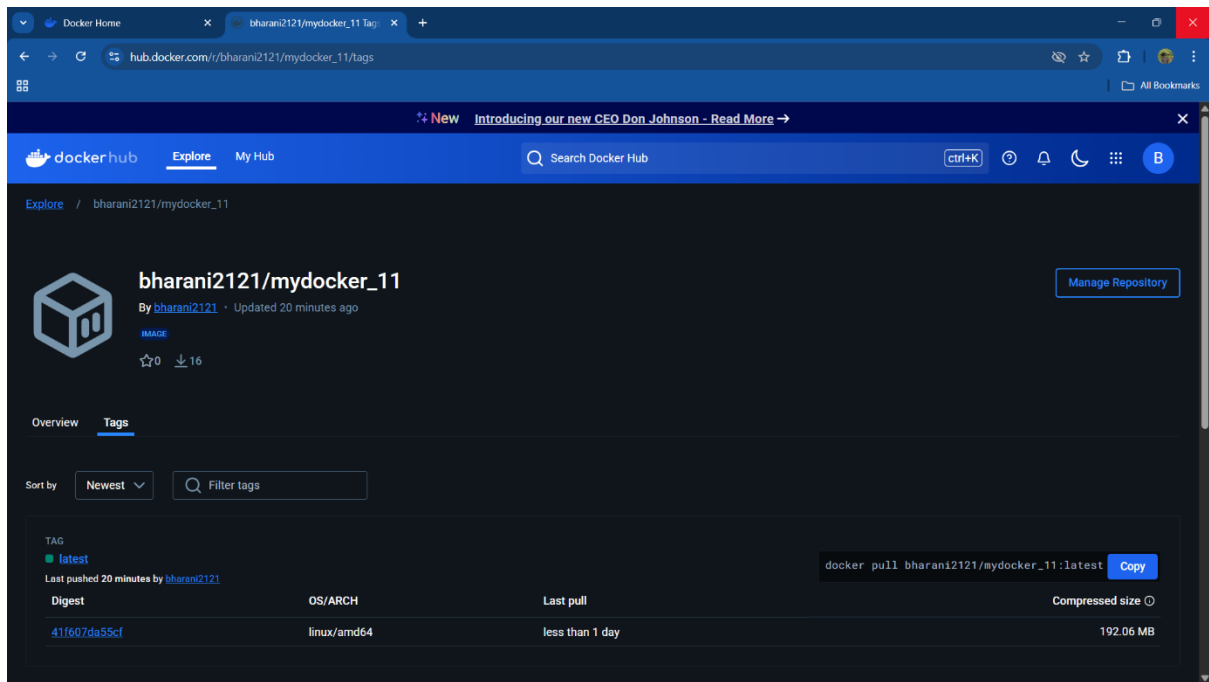# TASK 2


```
pipeline {
    agent any
    tools {
        jdk 'jdk17'
        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/bharani2121/mydocker_11.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 = "bharani2121/mydocker_11"
                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 bharani_container || true"
        sh "docker rm bharani_container || true"

        // Run the new container
        sh "docker run -d --name bharani_container -p 3001:3000 bharani2121/mydocker_11:latest"
    }
```

```
        }
    }

        }
    }
```

Console Output

Dashboard > guvi 2pipeline > #10

Status
Changes
Console Output
Edit Build Information
Delete build '#10'
Timings
Git Build Data
Pipeline Overview
Pipeline Console
Restart from Stage
Replay
Pipeline Steps
Workspaces

✓ **Console Output**   Download   Copy   View as plain text

```
Started by user bharani
[Pipeline] Start of Pipeline
[Pipeline] node
Running on Jenkins in /var/lib/jenkins/workspace/guvi 2pipeline
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Declarative: Tool Install)
[Pipeline] tool
[Pipeline] envVarsForTool
[Pipeline] tool
[Pipeline] envVarsForTool
[Pipeline] }
[Pipeline] // stage
[Pipeline] withEnv
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Clean Workspace)
[Pipeline] tool
[Pipeline] envVarsForTool
[Pipeline] tool
[Pipeline] envVarsForTool
[Pipeline] withEnv
[Pipeline] {
```

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