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_seccred1',
                        url: 'https://github.com/gokulk-226/gokul-devops.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: 'docker1', toolName: 'docker') {
                        def imageName = "gokulk26/mydocker-26"
                        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 mydocker-26_container -p 3001:3000 gokulk26/mydocker-
26:latest"
        }
    }}
}
```