





```
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/dharaniramakrishnan/react_docker.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 = "dharani400/sample"
```

```

    def tag = "latest1"

    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 hotstar_container || true"
      sh "docker rm hotstar_container || true"

      // Run the new container
      sh "docker run -d --name hotstar_container -p 3002:3000 dharani400/sample:latest1"
    }
  }
}
}

```