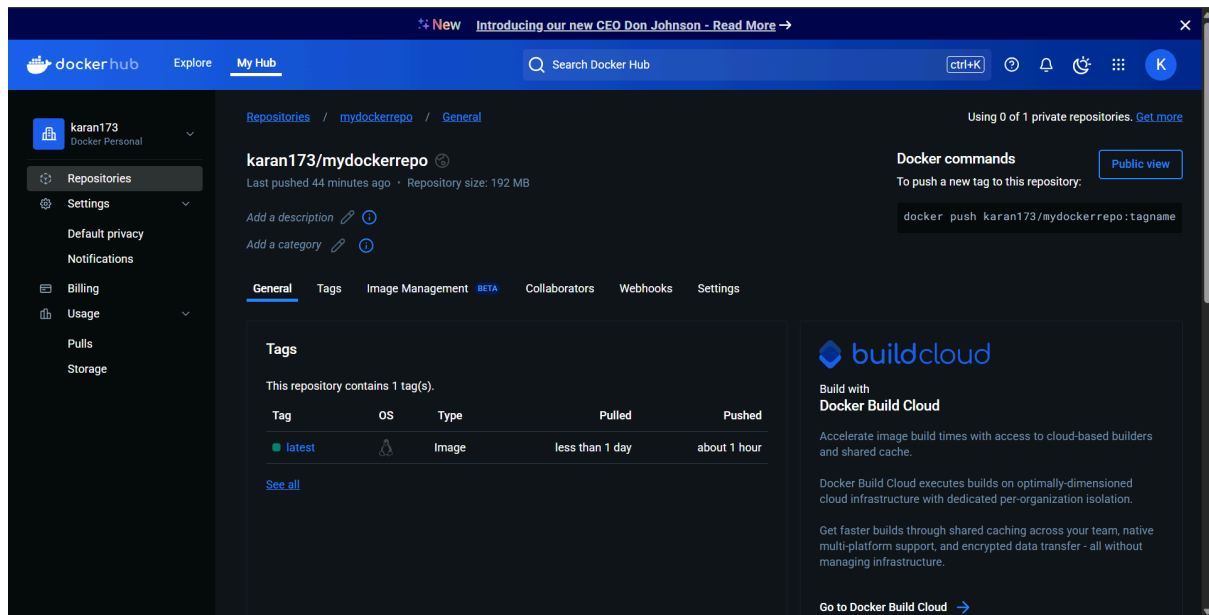


1) Creating docker hub credentials:



2) Adding Pipeline script:

```

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_secured',
        url: 'https://github.com/karan1735/Devops_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 = "karan173/mydockerrepo"
                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 mydockerrepo_container || true"
            sh "docker rm mydockerrepo_container || true"

            // Run the new container
            sh "docker run -d --name mydockerrepo_container -p 3001:3000
karan173/mydockerrepo:latest"
        }
    }
}
}

```

3) Creating the pipeline:

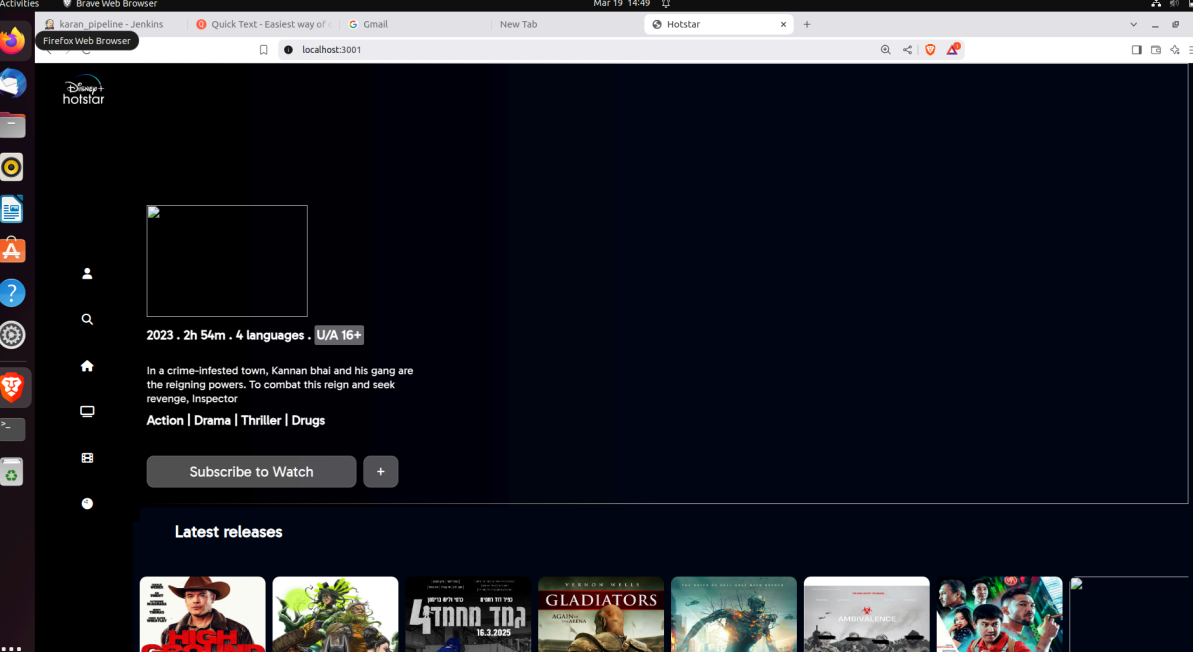


The screenshot shows the Jenkins Pipeline Dashboard for a pipeline named 'karan_pipeline'. The left sidebar contains navigation options: Status, Changes, Build Now, Configure, Delete Pipeline, Full Stage View, Stages, Rename, and Pipeline Syntax. The main area displays the 'Stage View' with a table of stage durations and a 'Permalinks' section. Below the table, a 'Builds' section shows a single build from today at 14:32.

	Declarative: Tool Install	Clean Workspace	Git Checkout	Install Node	Docker Build & Push	Deploy Docker Container
Average stage times:	1s	1s	7s	9min 13s	4min 28s	6s
14:32 No Changes	1s	1s	7s	9min 13s	4min 28s	6s

REST API Jenkins 2.501

Output :localhost:3001



The screenshot shows a web browser window displaying the Hotstar website. The browser's address bar shows 'localhost:3001'. The website features a dark theme with a navigation bar on the left. The main content area displays a movie poster for '2023 . 2h 54m . 4 languages . U/A 16+'. Below the poster, there is a description of the movie and a 'Subscribe to Watch' button. At the bottom, there is a section titled 'Latest releases' with a row of movie posters including 'High Ground', 'Gladiators', and 'Amidvalence'.