DevOps Day 2 – Automation using Jenkins push image from github to docker hub using jenkins automation

docker

___

sudo apt install docker.io -y

sudo service docker restart

sudo service docker status

sudo usermod -aG docker $USER

docker images

docker ps

sudo chmod 666 /var/run/docker.sock

curl -LO https://dl.k8s.io/release/v1.32.0/bin/linux/amd64/kubectl

sudo install -o root -g root -m 0755 kubectl /usr/local/bin/kubectl

chmod +x kubectl

mkdir -p ~/.local/bin

mv ./kubectl ~/.local/bin/kubectl

kubectl version –client

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chmod +x kubectl

mkdir -p ~/.local/bin

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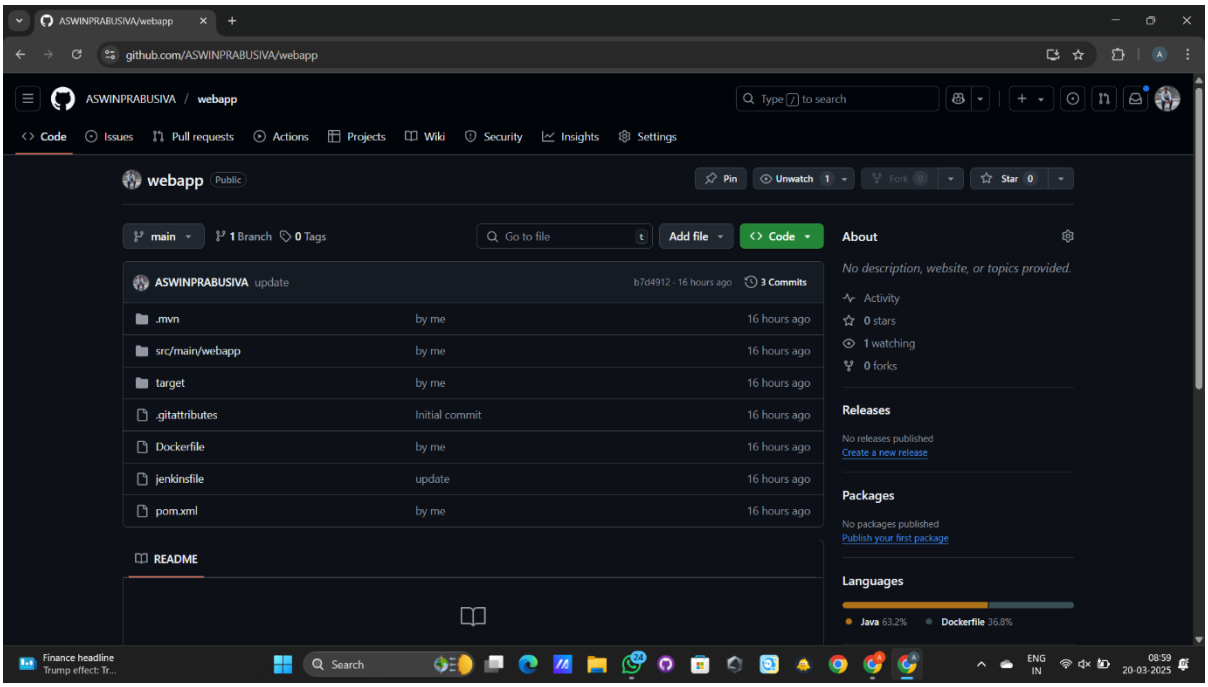
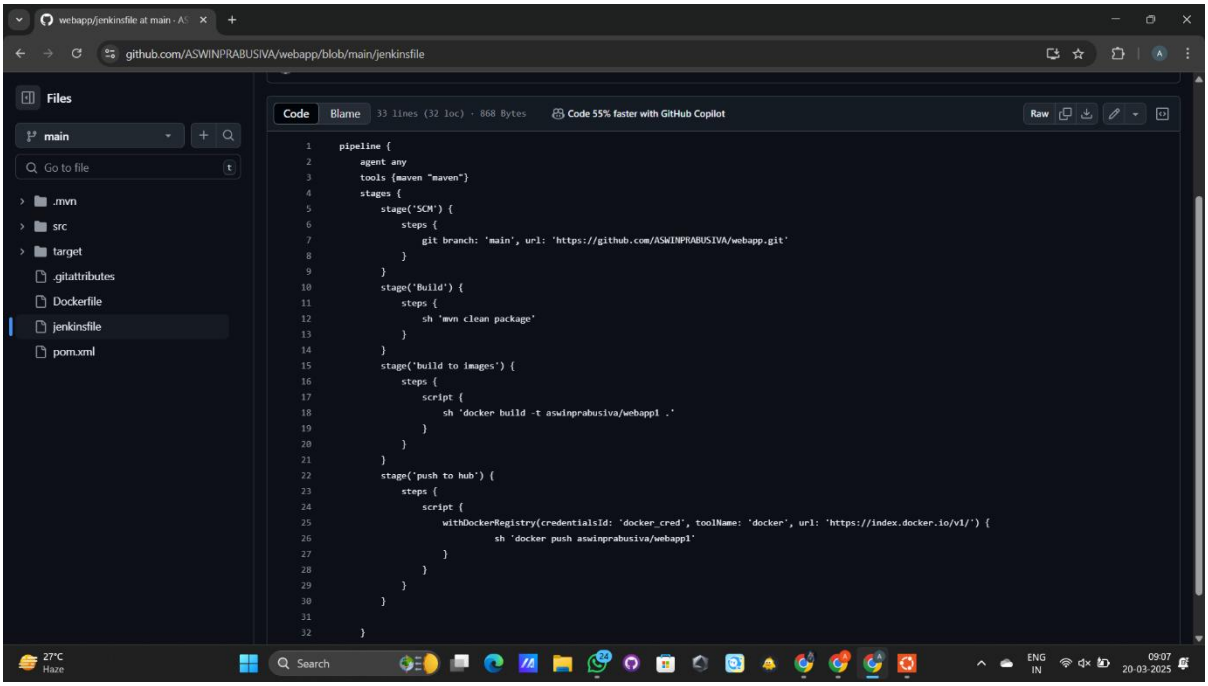
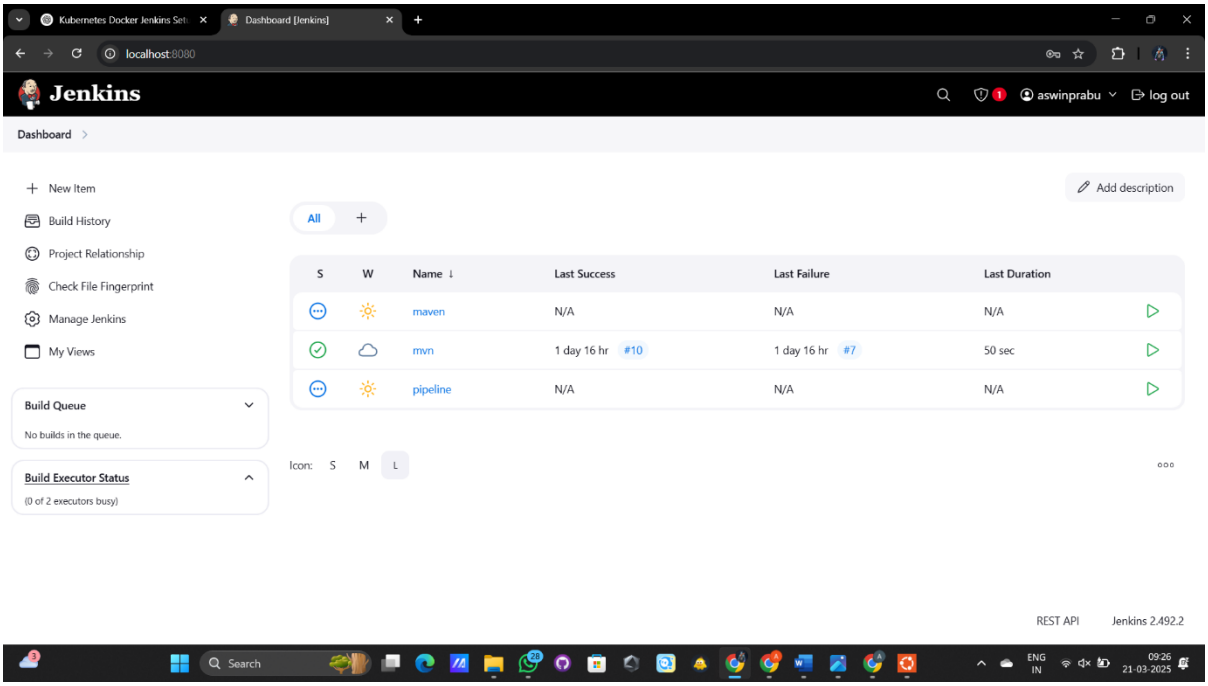
kubectl version –client







Git

Repositories ?

Repository URL ?

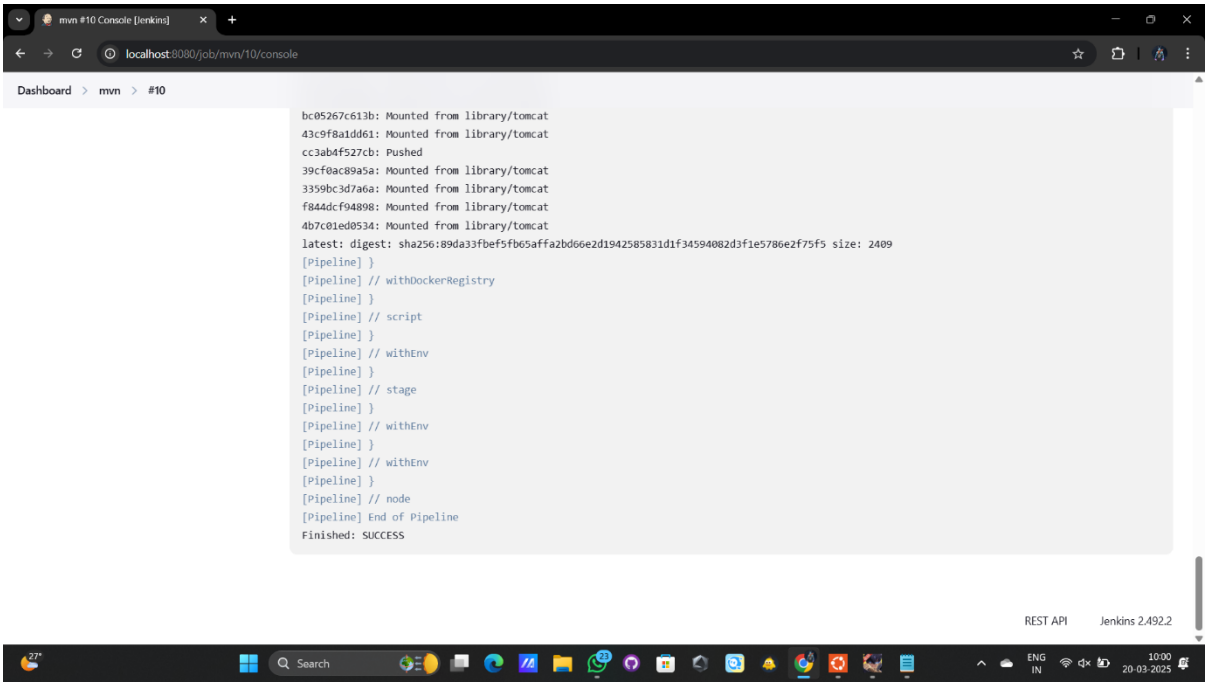
https://github.com/ASWINPRABUSIVA/webapp

Credentials ?

ASWINPRABUSIVA/****** (github_crd)

+ Add

Advanced

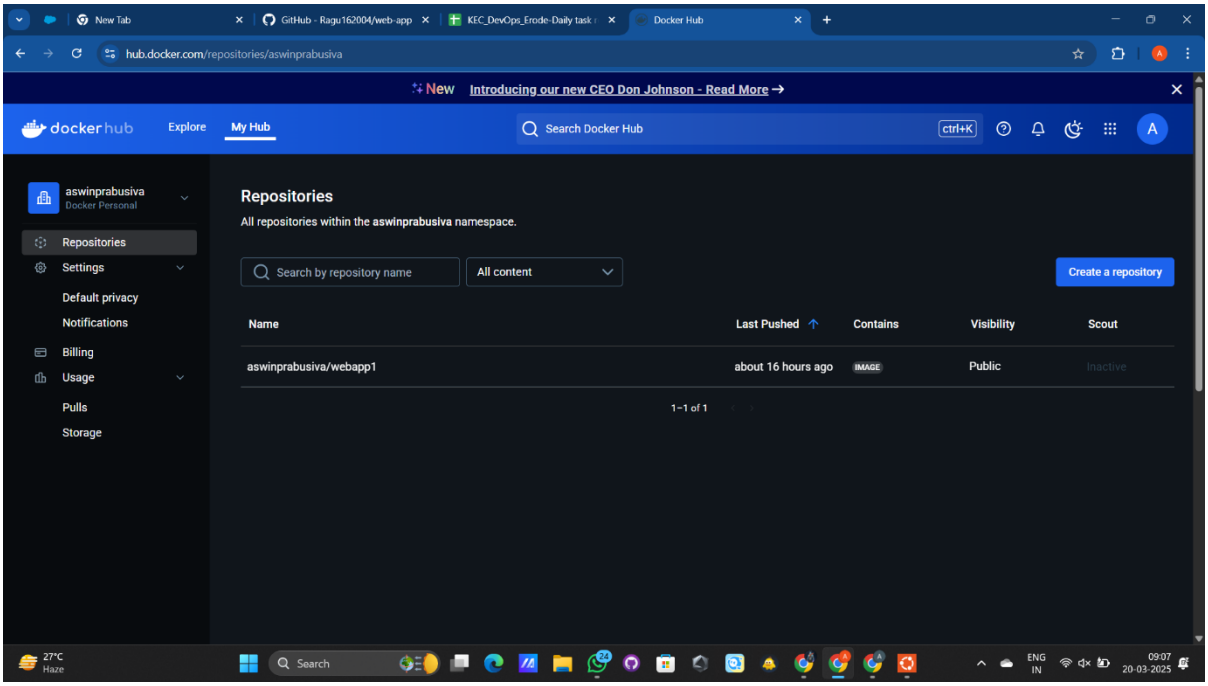


Pipeline code

```
pipeline {
    agent any
    tools {maven "maven"}
    stages {
        stage('SCM') {
            steps {
                git branch: 'master', url: 'https://github.com/Saran-Avinash/DevOps.git'
            }
        }
        stage('Build') {
```

```
        steps {
            sh 'mvn clean package'
        }
    }
    stage('build to images') {
        steps {
            script {
                sh 'docker build -t saranavinashb/webapp1 .'
            }
        }
    }
    stage('push to hub') {
        steps {
            script {
                withDockerRegistry(credentialsId: 'docker_cred', toolName: 'docker', url:
'https://index.docker.io/v1/') {
                        sh 'docker push saranavinashb/webapp1'
                }
            }
        }
    }


  }
}
```


New Tab
GitHub - Ragu162004/web-app
KEC_DevOps_Erode-Daily task
Docker Hub
hub.docker.com/repositories/aswinprabusiva
New Introducing our new CEO Don Johnson - Read More
docker hub
Explore
My Hub
Search Docker Hub
ctrl+K
aswinprabusiva
Docker Personal
Repositories
Settings
Default privacy
Notifications
Billing
Usage
Pulls
Storage
Repositories
All repositories within the aswinprabusiva namespace.
Search by repository name
All content
Create a repository
Name
Last Pushed
Contains
Visibility
Scout
aswinprabusiva/webapp1
about 16 hours ago
IMAGE
Public
Inactive
1–1 of 1
27°C
Haze
Search
ENG
IN
09:07
20-03-2025