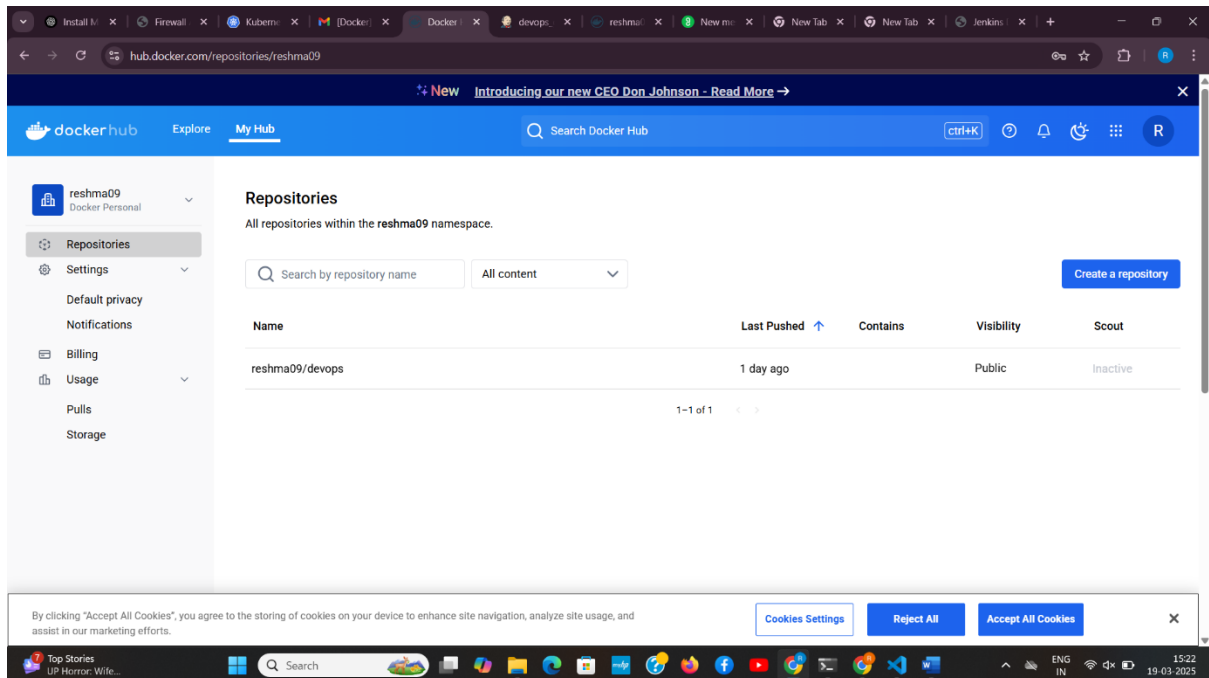DAY-2 DOCKER

Create docker credentials :

Pipeline Script:
```
pipeline {

  agent any


  environment {

    IMAGE_NAME = "reshma09/devops" // Replace with your Docker Hub username and image name

    TAG = "latest"

    CONTAINER_NAME = "my-container"

    PORT = "3001"

  }


  stages {


    stage('Clone Repository') {

      steps {

        echo "Cloning GitHub repository..."

        git branch:'main', url: 'https://github.com/reshreshu/devops_.git' // Replace with your repo URL

      }

    }
```

```
stage('Build Docker Image') {

    steps {

        echo "Building Docker image..."

        sh 'chmod +x build.sh'

        sh './build.sh'

    }

}


    stage('Login to Docker Hub') {

    steps {

        echo "Logging into Docker Hub..."

        withCredentials([usernamePassword(credentialsId: 'docker-hub-creds', usernameVariable:
'DOCKER_USER', passwordVariable: 'DOCKER_PASS')]) {

            sh 'docker login -u $DOCKER_USER -p $DOCKER_PASS'

        }

    }

}


stage('Push Docker Image') {

    steps {

        echo "Pushing Docker image to Docker Hub..."

        sh "docker tag $IMAGE_NAME:$TAG $IMAGE_NAME:$TAG"

        sh "docker push $IMAGE_NAME:$TAG"

    }

}


stage('Deploy Docker Container') {

    steps {

        echo "Deploying Docker container..."

        sh 'chmod +x deploy.sh'

        sh './deploy.sh'

    }

}

}
```
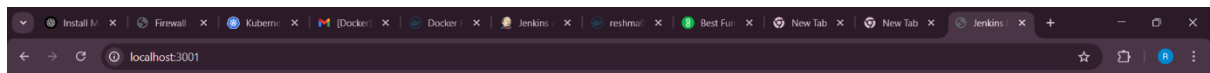
```
post {

    success {

        echo "Deployment Successful!"

    }

    failure {

        echo "Deployment Failed!"

    }

}

}
```

Credentials-docker:

Hello from Docker with Jenkins!

35°C
Sunny

localhost:8080/job/devops_git/

Jenkins

RESHMA ALAVUTHEEN ⌄ 　log out

Dashboard 〉 devops_git 〉

⊘ devops_git

✎ Add description

Status
Changes
Build Now
Configure
Delete Pipeline
Full Stage View
Stages
Rename
Pipeline Syntax

Stage View

	Clone Repository	Build Docker Image	Login to Docker Hub	Push Docker Image	Deploy Docker Container	Declarative: Post Actions
Average stage times: (full run time: ~1min 2s)	2s	3s	8s	46s	1s	169ms
#11 15:10 No Changes	2s	3s	8s	46s	1s	169ms

Permalinks

- Last build (#11), 10 min ago
- Last stable build (#11), 10 min ago
- Last successful build (#11), 10 min ago
- Last completed build (#11), 10 min ago

Builds

Filter

Today

⊘ #11 9:40 AM

35°C
Sunny

ENG
IN

15:20
19-03-2025