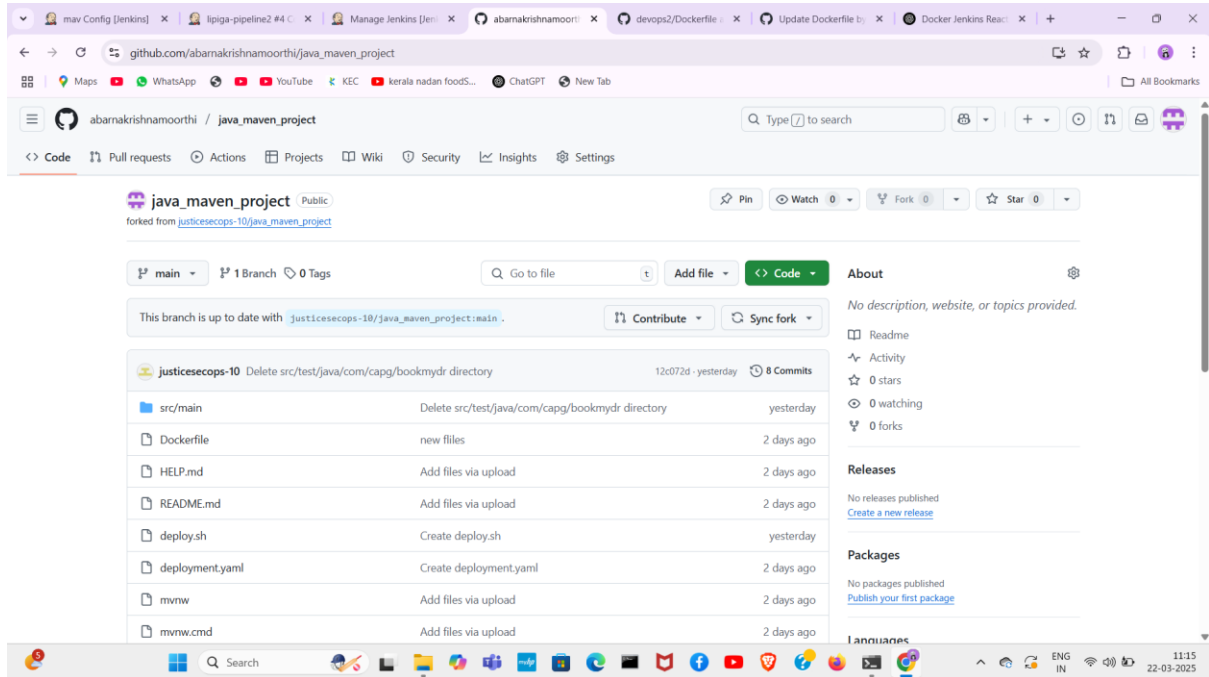
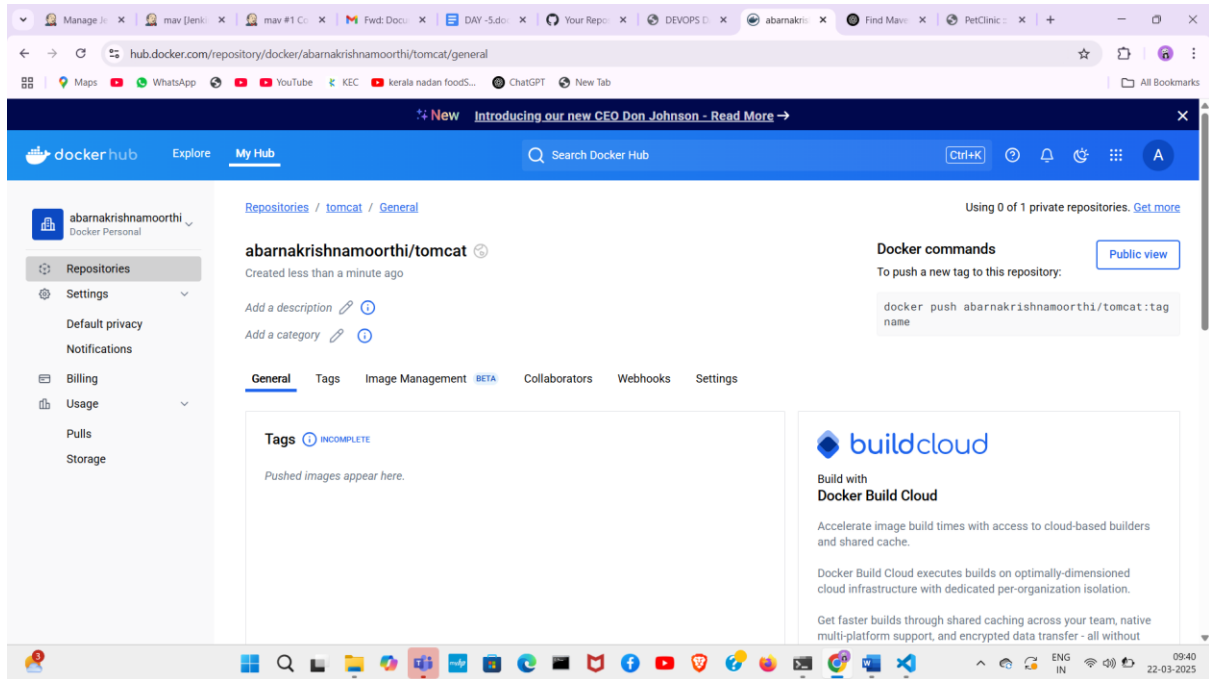
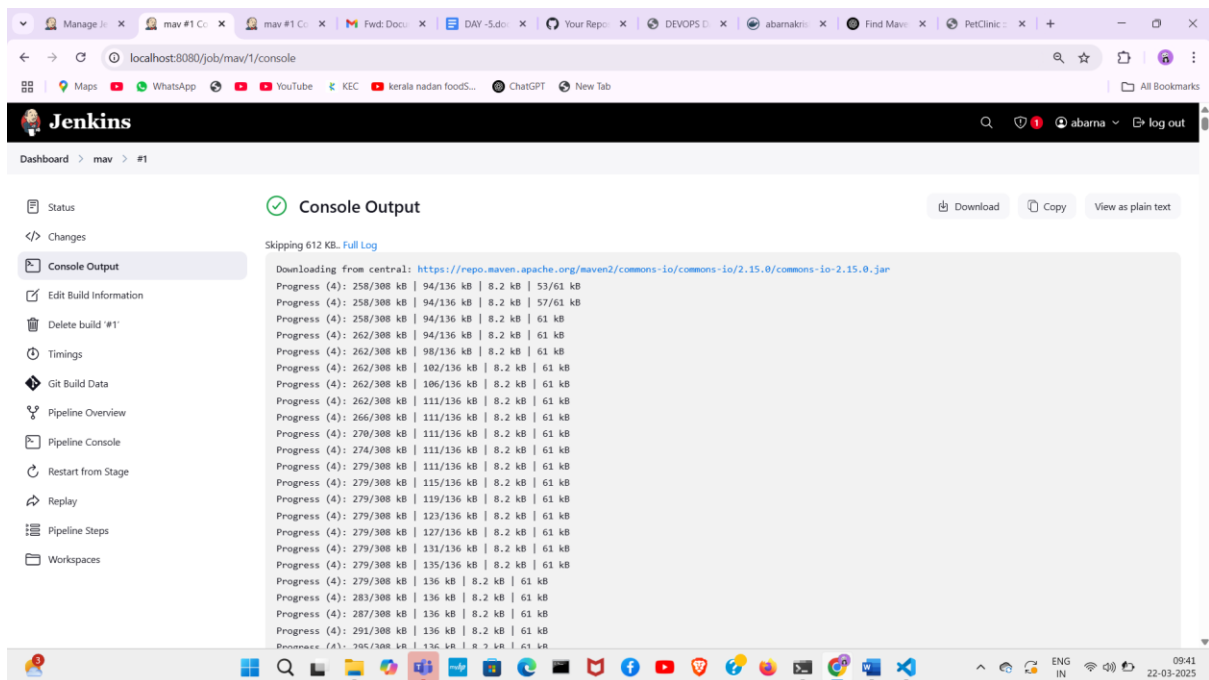
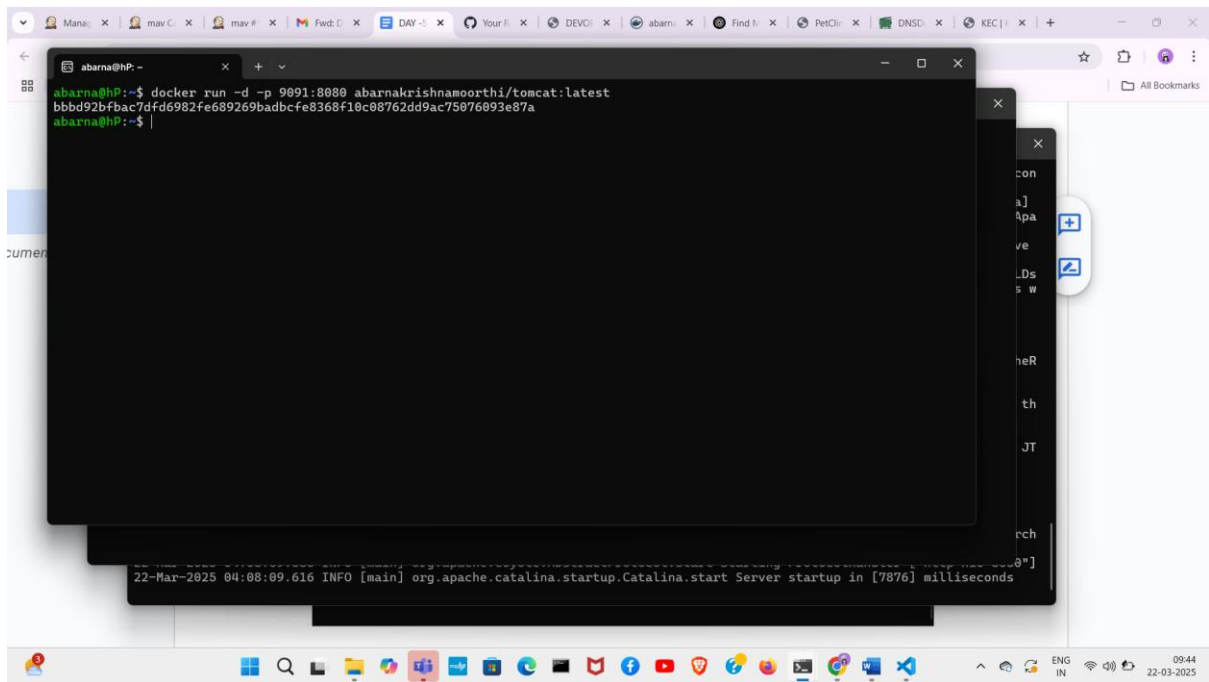
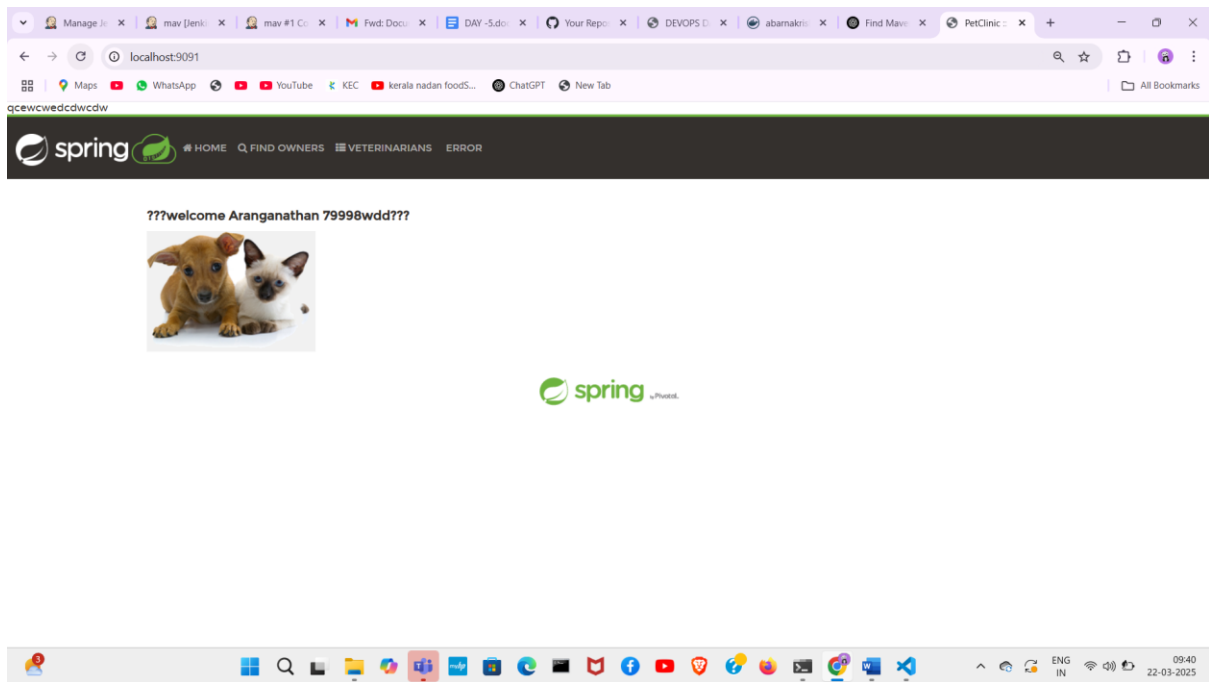


DEVOPS DAY-5

SCREENSHOTS:







CODE:

```
pipeline {
  agent any

  environment {
    DOCKER_IMAGE = "abarnakrishnamoorthi/tomcat"
    DOCKER_TAG = "latest"
    DOCKER_CREDENTIALS_ID = "docker"
    GITHUB_CREDENTIALS_ID = "github_seccred"
    KUBECONFIG = "/var/lib/jenkins/.kube/config"
    MAVEN_HOME = "/usr/share/maven" // Set the correct Maven path
  }

  stages {
    stage('Checkout Code') {
      steps {
        git credentialsId: GITHUB_CREDENTIALS_ID, url:
'https://github.com/abarnakrishnamoorthi/java\_maven\_project.git', branch: 'main'
      }
    }

    stage('Build Application') {
      steps {
        script {
          sh "${MAVEN_HOME}/bin/mvn clean package -DskipTests"
        }
      }
    }
  }
}
```


```

stage('Run Maven Tests') {
  steps {
    script {
      catchError(buildResult: 'SUCCESS', stageResult: 'FAILURE') {
        sh "${MAVEN_HOME}/bin/mvn test"
      }
    }
  }
}

stage('Build Docker Image') {
  steps {
    script {
      sh "docker build -t ${DOCKER_IMAGE}:${DOCKER_TAG} ."
    }
  }
}

stage('Push Docker Image') {
  steps {
    withDockerRegistry([credentialsId: DOCKER_CREDENTIALS_ID, url: ""]) {
      sh "docker push ${DOCKER_IMAGE}:${DOCKER_TAG}"
    }
  }
}

// Uncomment this stage when Kubernetes deployment is ready
// stage('Deploy to Kubernetes') {
//   steps {
//     script {
//       sh ""
//       chmod +x scripts/deploy.sh
//       ./scripts/deploy.sh
//       ""
//     }
//   }
// }

post {
  success {
    
    echo "Deployment Successful!"
  }
  failure {

```



```
    echo "Deployment Failed!"  
  }  
}  
}
```