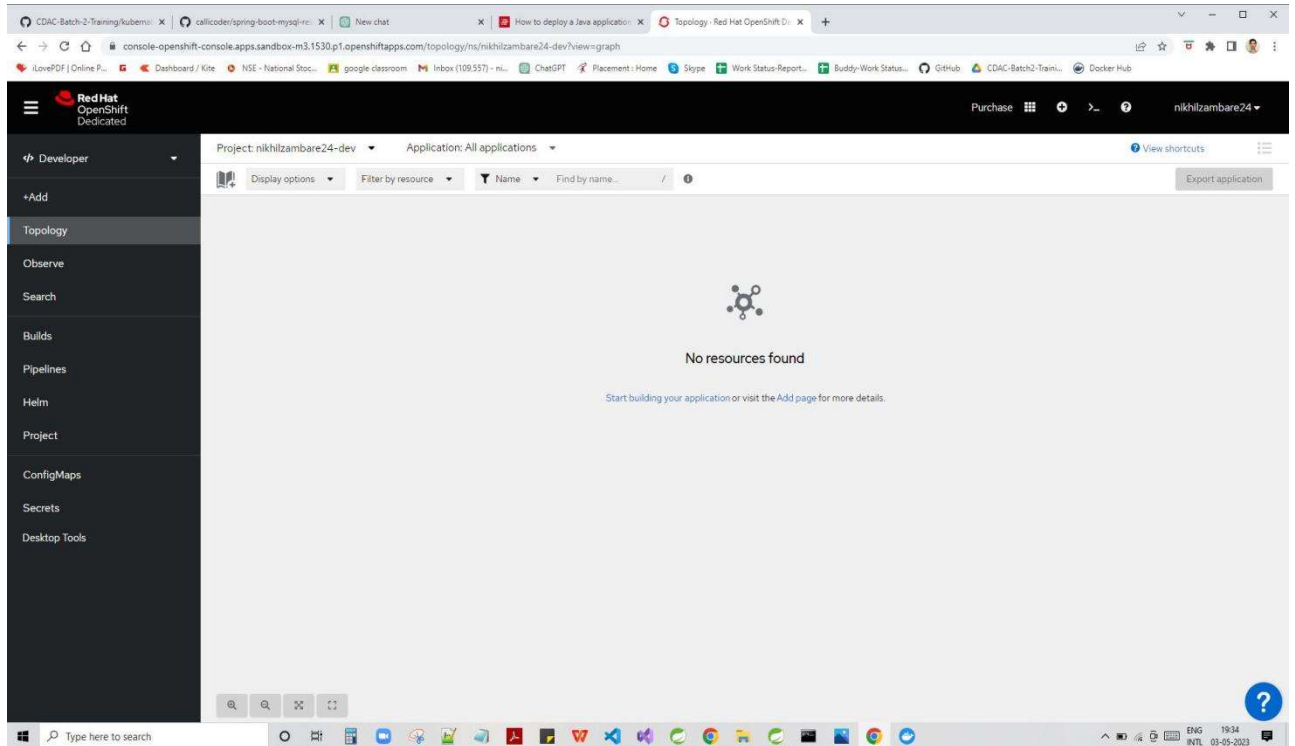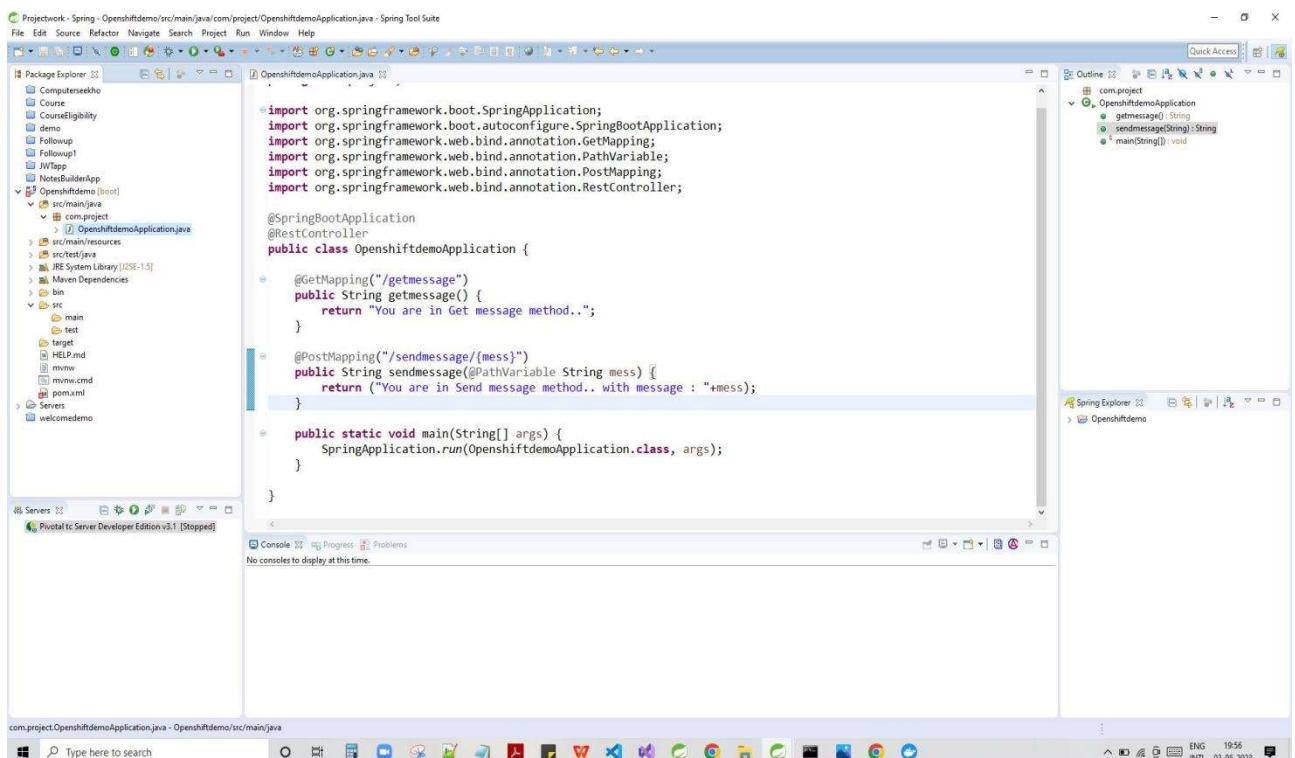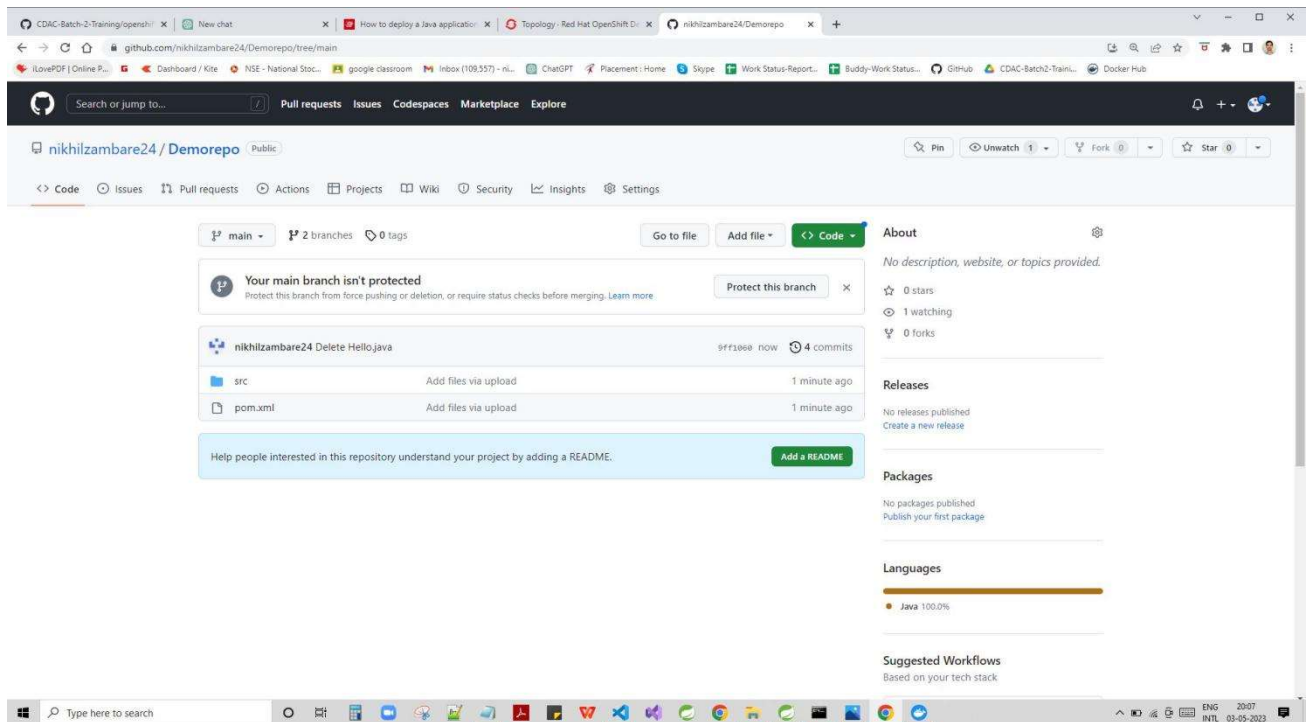- ## OpenShift Basics

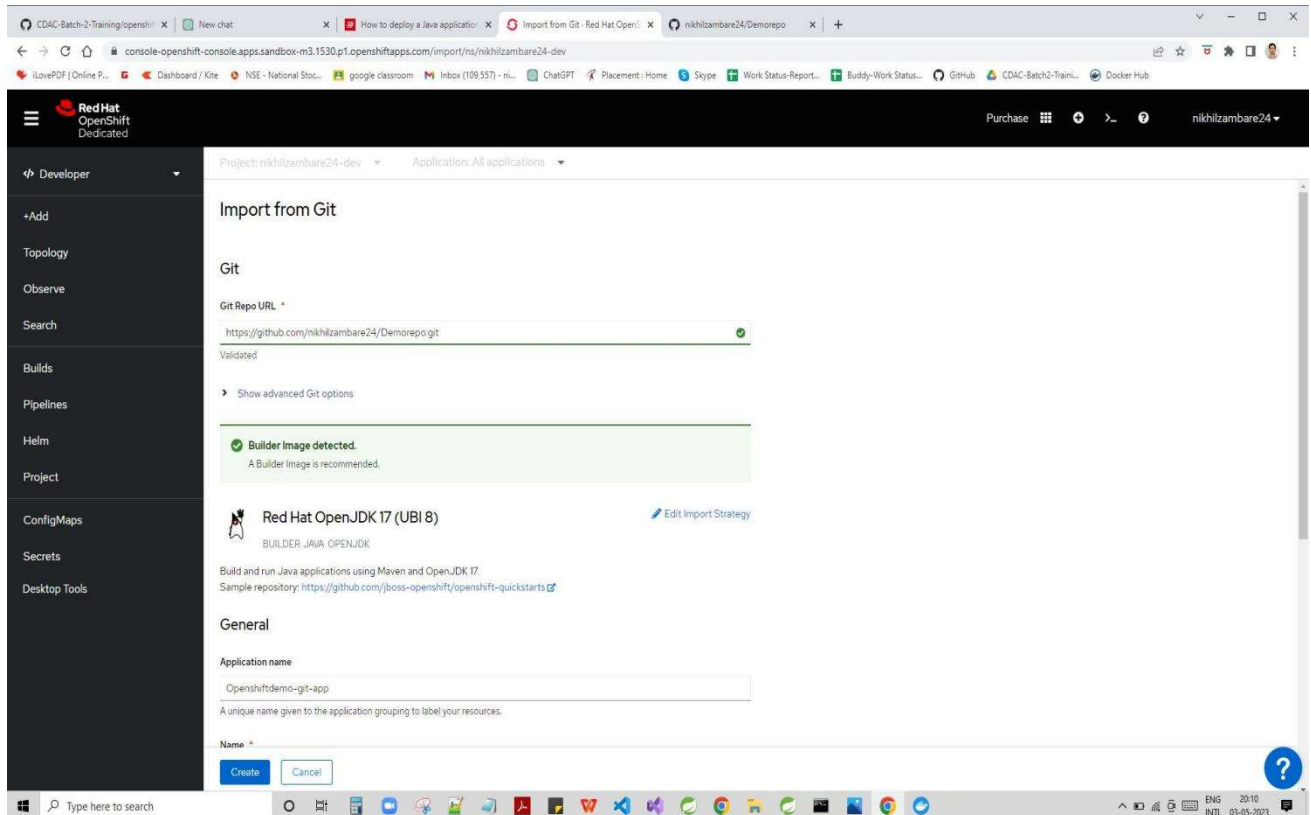// Created an account on RedHat Openshift

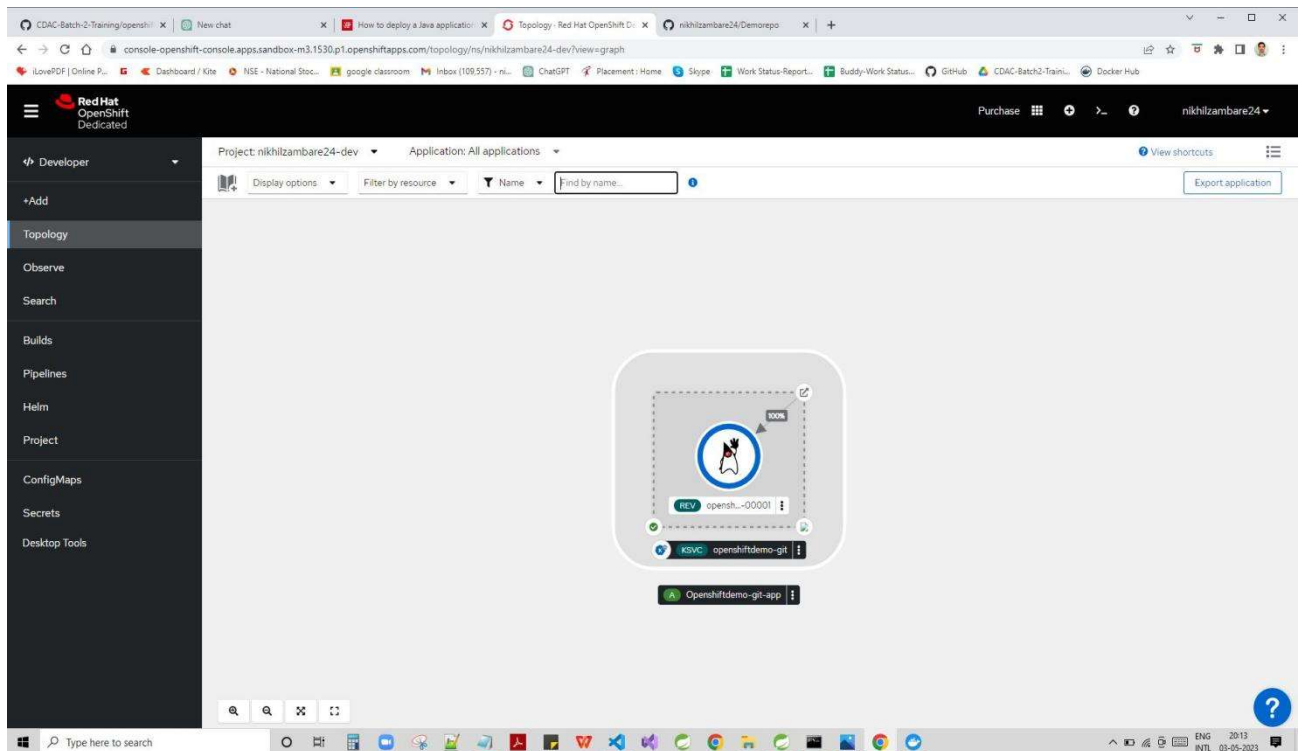// Created a demo application using java spring boot
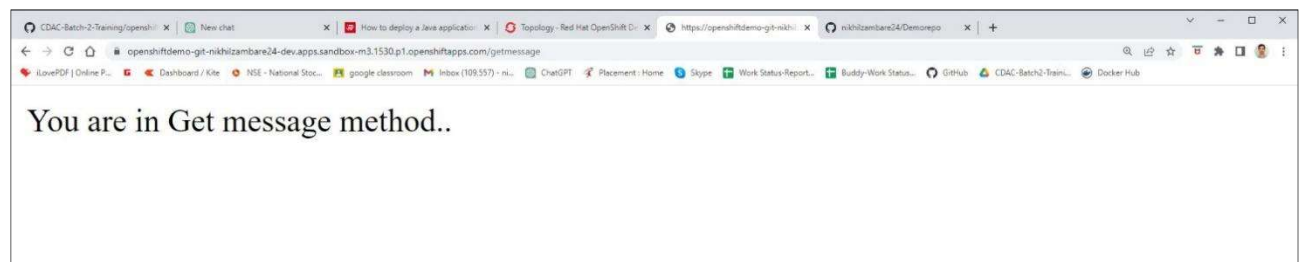
// Uploaded demo project on git hub repository

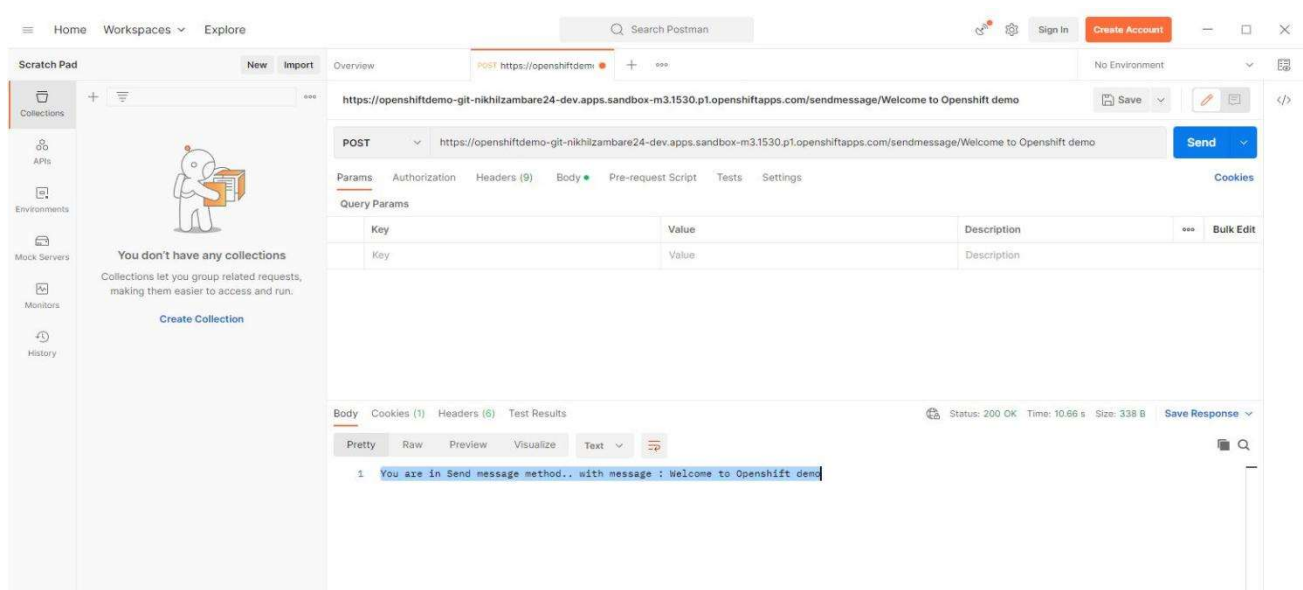// Imported from Git to RedHat Openshift using repo URL

// Uploading Git repository project and running on RedHat Openshift

// Running from Openshift to browser (GET - getmessage method)

You are in Get message method..

// Running from Openshift to postman (POST - sendmessage method)

You are in Send message method.. with message : Welcome to Openshift demo

// Logged in to Openshift account from CLI

// to retrieve information about all resources of all types in your OpenShift project. This includes information about Pods, Services, Deployments etc.

// to retrieve information about all the Services in your OpenShift project.

// to create a Route for a Service in your OpenShift project.

// to retrieve information about all the Routes in your OpenShift project.

```
E:\Softwares\oc> oc get routes
NAME                     HOST/PORT                                                                          PATH   SERVICES                PORT    TERMINATION   WILDCARD
openshiftdemo-git        HostAlreadyClaimed                                                                        openshiftdemo-git       http2                 None
openshiftdemo-git-00001  openshiftdemo-git-00001-nikhilzambare24-dev.apps.sandbox-m3.1530.p1.openshiftapps.com    openshiftdemo-git-00001 http                  None

E:\Softwares\oc>
```

// to create a new Pod in your OpenShift project.

```
operable program or batch file.

E:\Softwares\oc> oc run my-pod --image=openshiftdemo:latest --port=8080
pod/my-pod created

E:\Softwares\oc> oc get pod
NAME      READY   STATUS            RESTARTS   AGE
my-pod    0/1     ImagePullBackOff  0          77s

E:\Softwares\oc>
```

// to retrieve information about all the Deployments in your OpenShift project.

```
E:\Softwares\oc>
E:\Softwares\oc> oc get deploy
NAME                            READY   UP-TO-DATE   AVAILABLE   AGE
openshiftdemo-git-00001-deployment  0/0     0            0           17h

E:\Softwares\oc>
```

// to create a new Deployment in your OpenShift project.

```
E:\Softwares\oc> oc create deployment my-pod --image=openshiftdemo-git
deployment.apps/my-pod created

E:\Softwares\oc> oc get po
NAME                      READY   STATUS            RESTARTS   AGE
my-pod                    0/1     ImagePullBackOff  0          7m58s
my-pod-998ccdcf5-tp422    0/1     ErrImagePull      0          31s

E:\Softwares\oc>
E:\Softwares\oc>
```

// to retrieve information about all the ReplicaSets in your OpenShift project.

```
E:\Softwares\oc> oc get rs
NAME                                    DESIRED   CURRENT   READY   AGE
openshiftdemo-git-00001-deployment-6fbb55c7d7  0         0         0       17h

E:\Softwares\oc>
```

// to delete a specific Pod in your OpenShift project.

```
E:\Softwares\oc> oc delete po my-pod-998ccdcf5-tp422
pod "my-pod-998ccdcf5-tp422" deleted

E:\Softwares\oc>oc get pod
NAME                      READY   STATUS            RESTARTS   AGE
my-pod                    0/1     ImagePullBackOff  0          26m
my-pod-998ccdcf5-kl4kv    0/1     ImagePullBackOff  0          11s

E:\Softwares\oc>
```