NOTE: I'm using wsl, so all commands are coming from there.

Show the created, and the repository:

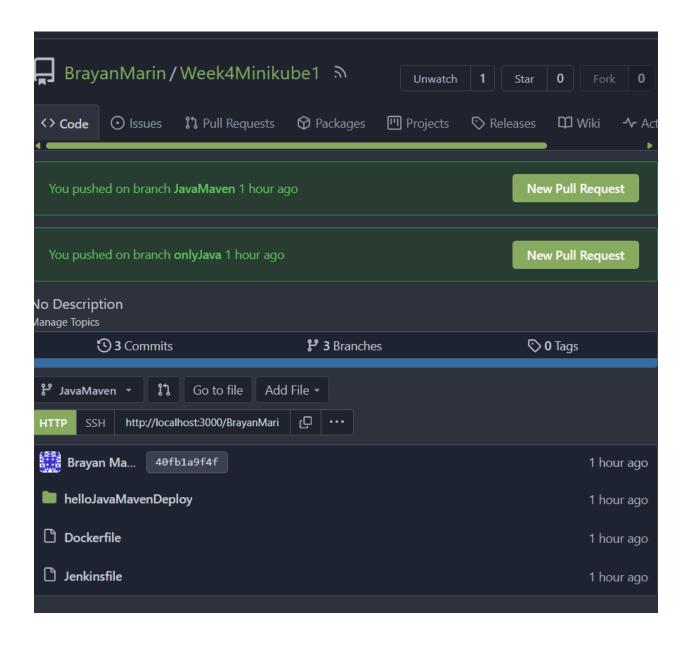
```
▶ bash 1:51.39% 1:16:11
                                                              ▶ bash 1 51.47% 1 18:16:48
            😭 े 🖶 > 4thWeek 🔊 🗗 JavaMaven ≡ 🕜 ~1 → 6ms
home/brayanmarin/DevOps/miniProjects/4thWeek
                                                              ்டு 〉 🖶 〉 🖶 〉 4thWeek 🔼 👂 JavaMaven 🗉 📝 ~1 🕟 5ms
Dockerfile Jenkinsfile helloJavaMavenDeploy
                                                              ▶ bash ♦ 1 51.47% ♦ 18:17:02
  WSL at 🗘 🔪 🍙 〉 🖶 〉 🖶 〉 4thWeek 🔼 👂 JavaMaven ≡ 📝 ~1 🔷 6ms
   WSL at 🗘
                                                              ▶ bash 1:51.47% 1:17:05
           > ♠ > ♣ > miniProjects > 6ms
   cd 4thWeek/
                                                              ▶ bash 1:51.46% 18:17:10
                    4thWeek 🏲 🗗 JavaMaven ≡ 🕜 ~1 🕒 6ms
   git branch
 main
 onlyJava
           🔐 🏲 🏲 🔭 4thWeek 🔯 🖟 JavaMaven ≡ 📝 ~1 🕨 17ms
                                                              ▶ bash ★ 51.47% ♦ 0 18:17:24
```

<u>Installing minikube:</u>



I use SSH to connect the pipeline of Jenkinsfile to my wsl machine because in my WSI i have my cluster of minikube

This is the pipeline that I use the apps (NOTE: There are 3 Jenkinsfile, but ALL OF THEM are on different branches)



```
### Additional Control of Control
```

Now, showing the same with the deployment.yml and service.yml that as I said, there are on different branches:

```
deploymentymi heliolavaMavenDeploy/deploymentymi

apiVersion: apps/v1
kind: Deployment

metadata:

name: hello-javamaven #The name of the Kubernetes Deployment to be created in the Kubernetes cluster
labels:

app: hello-javamaven

spec:

replicas: 2 #The number of pods to be created in the Kubernetes cluster for the application container

selector:

matchlabels:

app: hello-javamaven

template:

metadata:

labels:

app: hello-javamaven

spec:

containers:

- name: hello-javamaven #The name of the application container

image: merxxaz/helloworldjavamaven:v1.1.0 #The Docker image for building the application container

ports:

- containerPort: 8003 #The port for the application container
```

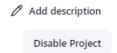
```
service.yml helloJavaMavenDeploy/service.yml

1    apiVersion: v1
2    kind: Service
3    metadata:
4    name: hello-javamaven #The name of the Kubernetes Service to be created in the Kubernetes cluster
5    spec:
6    selector:
7    app: hello-javamaven
8    type: ClusterIP #Type of the Kubernetes Service
9    ports:
10    - protocol: TCP
11    port: 8003 #Service port
12    targetPort: 8003 #The port for the application container
13
```

Executing the pipeline as a job in Jenkins:



Week4JavaMavenMinikube



Stage View



Permalinks

Showing the pods, services, and the logs of those pods:

