

TASK 4

STEP 1: Create a folder and move to the folder

```
dhamayandhi@LAPTOP-MR2CDKC6:~$ cd task4
dhamayandhi@LAPTOP-MR2CDKC6:~/task4$ nano d.yml
```

STEP 2: Create new file ab.yaml and write the script

```
dhamayandhi@LAPTOP-MR2CDKC6:~/new$ nano ab.yaml
```

STEP 3: The script inside the yaml file

```
apiVersion: apps/v1
kind: Deployment
metadata:
  labels:
    app: springboot-app
  name: springboot-app
spec:
  replicas: 1
  selector:
    matchLabels:
      app: springboot-app
  template:
    metadata:
      labels:
        app: springboot-app
    spec:
      containers:
        - name: my-springboot-app
          image: dhamaya2004/task2
          imagePullPolicy: Always
          ports:
            - containerPort: 80
              name: http
              protocol: TCP
# service type loadbalancer
---
apiVersion: v1
kind: Service
metadata:
  labels:
    app: springboot-app
    k8s-app: springboot-app
  name: springboot-app
spec:
```

STEP 4: Create and configured the service

```
dhamayandhi@LAPTOP-MR2CDKC6:~/new$ kubectl apply -f ab.yaml
deployment.apps/springboot-app unchanged
deployment.apps/springboot-app configured
service/springboot-app created
```

STEP 5: Check the pods

```
dhamayandhi@LAPTOP-MR2CDKC6:~/new$ kubectl get pods
```

NAME	READY	STATUS	RESTARTS	AGE
r1-c6cff895c-ksq8r	1/1	Running	4 (26m ago)	20h
r2-598c6785bf-szbpj	1/1	Running	3 (26m ago)	17h
r5-76c6946f77-wm48t	1/1	Running	3 (26m ago)	17h
springboot-app-6ccfd7ccb6-2m57b	1/1	Running	0	8m6s
springboot-app-d549b45f8-4flq9	0/1	ContainerCreating	0	18s

STEP 6: Start the minikube service

```
dhamayandhi@LAPTOP-MR2CDKC6:~/new$ minikube service springboot-app
```

NAMESPACE	NAME	TARGET PORT	URL
default	springboot-app	http/80	http://192.168.49.2:32247

🔥 Starting tunnel for service springboot-app.

NAMESPACE	NAME	TARGET PORT	URL
default	springboot-app		http://127.0.0.1:41083

🌐 Opening service default/springboot-app in default browser...
👉 http://127.0.0.1:41083
! Because you are using a Docker driver on linux, the terminal needs to be open to run it.
exit

STEP 7: Open the url in web browser

