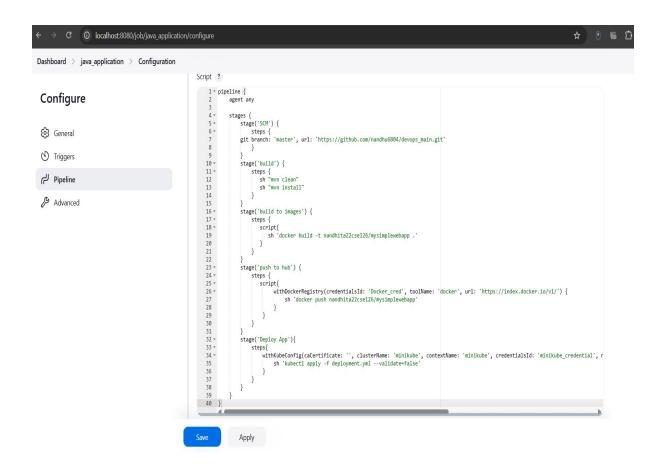
JAVA APPLICATION MINIKUBE DEPLOYMENT

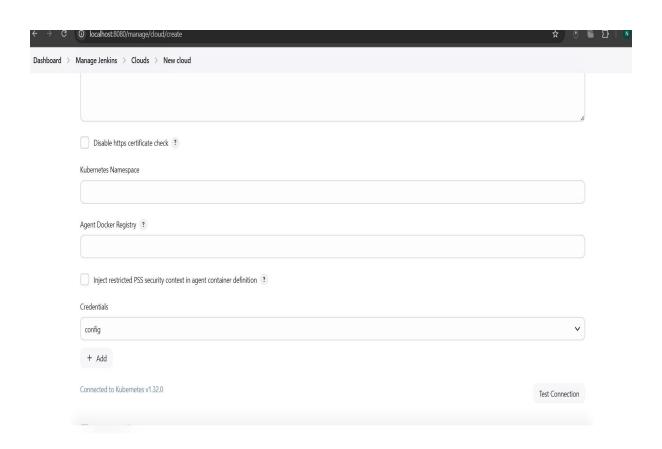
```
dhu2645@LAPTOP-1TVBND2B:~$ minikube start
minikube v1.35.0 on Ubuntu 24.04 (amd64)
Using the docker driver based on existing profile
Starting "minikube" primary control-plane node in "minikube" cluster
Pulling base image v0.0.46 ...
Restarting existing docker container for "minikube" ...
StartHost failed, but will try again: provision: get ssh host-port: get port 22 for "minikube": docker container inspect -f "'{{(index (inde
NetworkSettings.Ports "22/tcp") 0).HostPort}}'" minikube: exit status 1
out:
plate parsing error: template: :1:4: executing "" at <index (index .NetworkSettings.Ports "22/tcp") 0>: error calling index: reflect: slice i
 out of range
Updating the running docker "minikube" container ...
Preparing Kubernetes v1.32.0 on Docker 27.4.1 ...
Verifying Kubernetes components...

    Using image gcr.io/k8s-minikube/storage-provisioner:v5

Enabled addons: storage-provisioner, default-storageclass
Done! kubectl is now configured to use "minikube" cluster and "default" namespace by default
21 06:17:00.796627 6054 logFile.go:53] failed to close the audit log: invalid argument
hu2645@LAPTOP-1TVBND28:-$ cd ~/.kube
dhu2645@LAPTOP-1TVBND2B:~/.kube$ sudo vi config
do] password for nandhu2645:
dhu2645@LAPTOP-1TVBND2B:~/.kube$ kubectl get node
       STATUS ROLES
                                AGE VERSION
ikube Ready control-plane 14h v1.32.0
dhu2645@LAPTOP-1TVBND2B:~/.kube$
```

```
u2645@LAPTOP-1TVBND2B:~$ cat ~/.kube/config
rsion: v1
ers:
ster:
ertificate-authority: /home/nandhu2645/.minikube/ca.crt
xtensions:
extension:
  last-update: Sat, 22 Mar 2025 07:45:41 UTC
  provider: minikube.sigs.k8s.io
  version: v1.35.0
name: cluster_info
erver: https://127.0.0.1:51669
e: minikube
xts:
text:
luster: minikube
xtensions:
extension:
  last-update: Sat, 22 Mar 2025 07:45:41 UTC
  provider: minikube.sigs.k8s.io
  version: v1.35.0
name: context_info
amespace: default
ser: minikube
e: minikube
nt-context: minikube
Config
rences: {}
e: minikube
lient-certificate: /home/nandhu2645/.minikube/profiles/minikube/client.crt
lient-key: /home/nandhu2645/.minikube/profiles/minikube/client.key
u2645@LAPTOP-1TVBND2B:~$
```



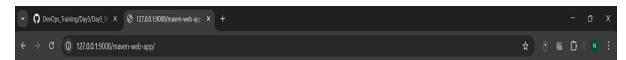




```
lhu2645@LAPTOP-1TVBN ×
2645@LAPTOP-1TVBND2B:~$ cat deployment.yml
sion: apps/v1
Deployment
ta:
my-deploy
Ls:
ne: my-deploy
icas: 1
ctor:
cchLabels:
apptype: web-backend
tegy:
be: RollingUpdate
Late:
tadata:
labels:
 apptype: web-backend
ec:
containers:
 name: my-app
 image: nandhita22cse126/mysimplewebapp:latest
 ports:
 - containerPort: 9008
sion: v1
Service
ta:
 my-service
Ls:
o: my-service
 NodePort
5:
targetPort: 8080
oort: 9008
nodePort: 30008
ctor:
otype: web-backend
```

```
645@LAPTOP-1TVBND2B:~$ minikube start
ikube v1.35.0 on Ubuntu 24.04 (amd64)
ng the docker driver based on existing profile
rting "minikube" primary control-plane node in "minikube" cluster
ling base image v0.0.46 ...
tarting existing docker container for "minikube" ...
paring Kubernetes v1.32.0 on Docker 27.4.1 ...
ifying Kubernetes components...
sing image gcr.io/k8s-minikube/storage-provisioner:v5
645@LAPTOP-1TVBND2B:~$ ts

file config deployment.yml devops_main pod.yml rs-test.yml
645@LAPTOP-1TVBND2B:~$ kubectl get pod
urces found in default namespace.
645@LAPTOP-1TVBND2B:~$ sudo nano deployment.yml
password for nandhu2645:
645@LAPTOP-1TVBND2B:~$ kubectl apply -f deployment.yml
ent.apps/my-deploy created
/my-service created
 645@LAPTOP-1TVBND2B:~$ minikube service my-service
PACE
             NAME
                         TARGET PORT
lt
                                          http://192.168.58.2:30008
                                  9008
        mv-service
rting tunnel for service my-service.
PACE
             NAME
                         TARGET PORT
                                                      URI
lt
        my-service
                                          http://127.0.0.1:34969
ning service default/my-service in default browser...
p://127.0.0.1:34969
```



Hello World!

Deployment.yml

```
apiVersion: apps/v1
kind: Deployment
metadata:
 name: my-deploy
 labels:
  name: my-deploy
spec:
 replicas: 1
 selector:
  matchLabels:
   apptype: web-backend
 strategy:
  type: RollingUpdate
 template:
  metadata:
   labels:
    apptype: web-backend
  spec:
   containers:
   - name: my-app
    image: nandhita22cse126/mysimplewebapp:latest
    ports:
```

- containerPort: 9008

apiVersion: v1

kind: Service

metadata:

name: my-service

labels:

app: my-service

spec:

type: NodePort