1. Create a deployment from your flask application:

```
soha@ubuntu:~$ kubectl get po -A
NAMESPACE     NAME                               READY   STATUS    RESTARTS        AGE
kube-system   coredns-674b8bbfcf-2jq24           1/1     Running   0               6m20s
kube-system   etcd-minikube                      1/1     Running   0               6m24s
kube-system   kube-apiserver-minikube            1/1     Running   0               6m24s
kube-system   kube-controller-manager-minikube   1/1     Running   0               6m24s
kube-system   kube-proxy-22fd5                   1/1     Running   0               6m20s
kube-system   kube-scheduler-minikube            1/1     Running   0               6m26s
kube-system   storage-provisioner                1/1     Running   1 (5m57s ago)   6m21s
soha@ubuntu:~$ docker login
Authenticating with existing credentials... [Username: sohaash]
```

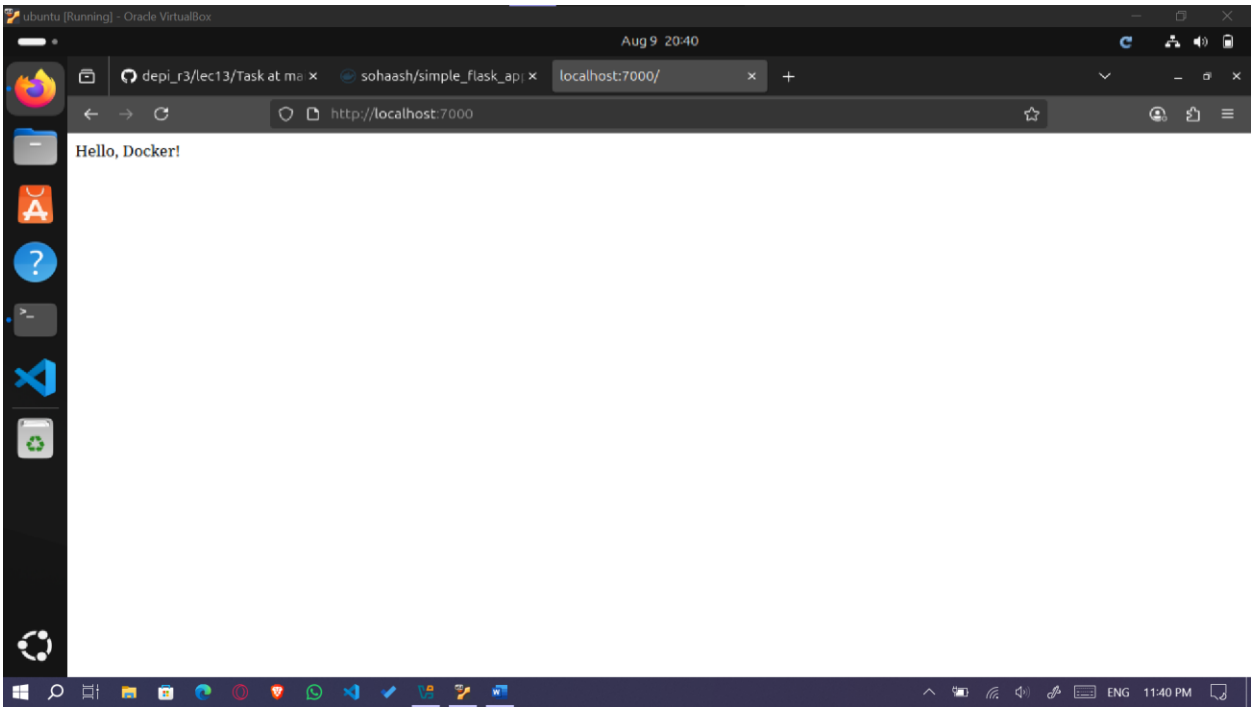
```
soha@ubuntu:~$ kubectl create deployment flaskapp-deployment --image=sohaash/simple_flask_app:v0.3
deployment.apps/flaskapp-deployment created
```

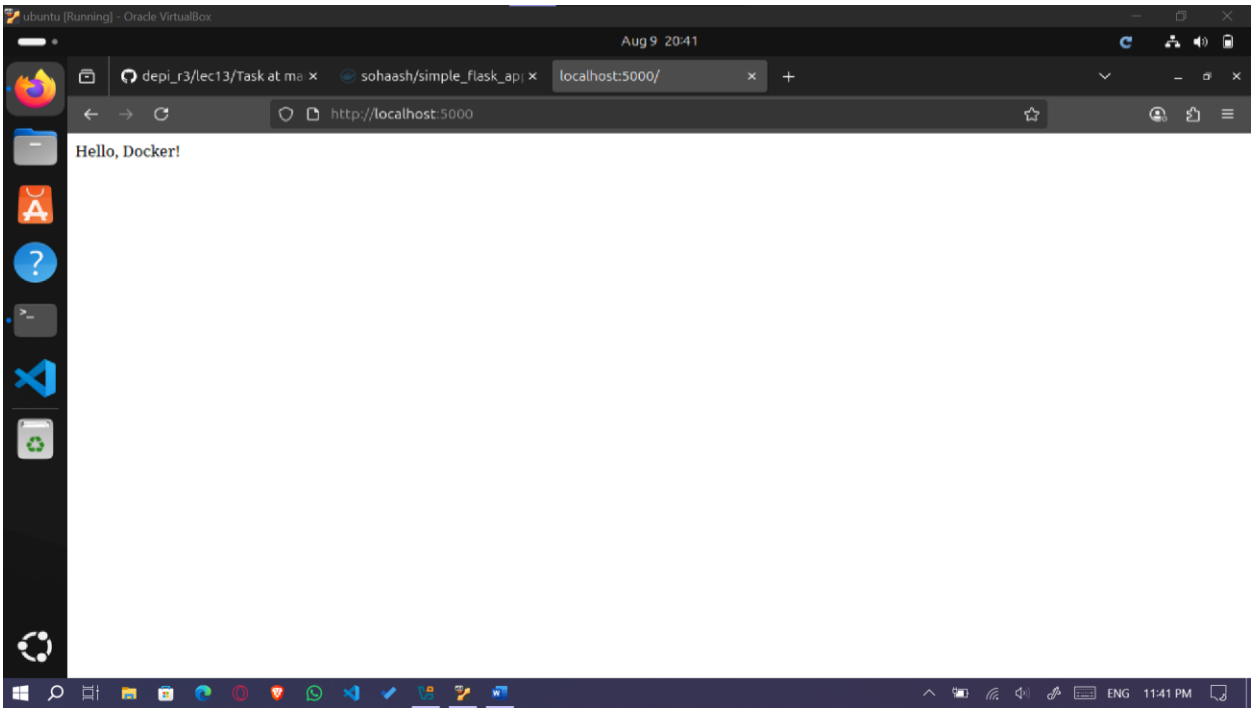
2. Create a ClusterIP service to access you app, the service port is 8000:

```
soha@ubuntu:~$ kubectl expose deployment flaskapp-deployment --name=flask-service --type=ClusterIP --port=8000 --target-
port=5000
service/flask-service exposed
```

3. port-forward from your local machine on the service using 7000 port:

```
soha@ubuntu:~$ kubectl port-forward service/flask-service 7000:8000
Forwarding from 127.0.0.1:7000 -> 5000
Forwarding from [::1]:7000 -> 5000
Handling connection for 7000
Handling connection for 7000
Handling connection for 7000
Handling connection for 7000
Handling connection for 7000
Handling connection for 7000
Handling connection for 7000
```


ubuntu [Running] - Oracle VirtualBox
Aug 9 20:40
depi_r3/lec13/Task at ma
sohaash/simple_flask_api
localhost:7000/
http://localhost:7000
Hello, Docker!
ENG 11:40 PM


ubuntu [Running] - Oracle VirtualBox
Aug 9 20:41
depi_r3/lec13/Task at ma
sohaash/simple_flask_api
localhost:5000/
http://localhost:5000
Hello, Docker!
ENG 11:41 PM