Terminal Guestbook +

```
Your Interactive Bash Terminal. A safe place to learn and execute commands.

controlplane $ mkdir -p /root/tutorial; cd /root/tutorial; launch.sh
Waiting for Kubernetes to start...
Kubernetes started
controlplane $
controlplane $
controlplane $ launch.sh
Waiting for Kubernetes to start...
Kubernetes started
controlplane $ kubectl cluster-info
Kubernetes master is running at https://172.17.0.12:6443
KubeDNS is running at https://172.17.0.12:6443/api/v1/namespaces/kube-system/services/kube-dns:dns/proxy

To further debug and diagnose cluster problems, use 'kubectl cluster-info dump'.
controlplane $ kubectl get nodes
NAME           STATUS   ROLES    AGE   VERSION
controlplane   Ready    master   44m   v1.14.0
node01         Ready    <none>   43m   v1.14.0
controlplane $ kubectl create -f redis-master-controller.yaml
```

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```
kubectl get rc
replicationcontroller/redis-master created
controlplane $ kubectl get rc
NAME           DESIRED   CURRENT   READY   AGE
redis-master   1         1         0       0s
controlplane $ kubectl get pods
NAME                 READY   STATUS    RESTARTS   AGE
redis-master-5j2rm   1/1     Running   0          6s
controlplane $ kubectl create -f redis-master-service.yaml
kubectl get services
service/redis-master created
controlplane $ kubectl get services
NAME           TYPE        CLUSTER-IP      EXTERNAL-IP   PORT(S)    AGE
kubernetes     ClusterIP   10.96.0.1       <none>        443/TCP    44m
redis-master   ClusterIP   10.96.161.180   <none>        6379/TCP   0s
controlplane $ kubectl describe services redis-master
Name:              redis-master
Namespace:         default
Labels:            name=redis-master
Annotations:       <none>
```


/root/tutorial
frontend-controller.yaml
frontend-service.yaml
redis-master-controller.yam
redis-master-service.yaml
redis-slave-controller.yaml
redis-slave-service.yaml
Katacoda Editor
Terminal
Guestbook
redis-master ClusterIP 10.96.161.180 <none> 6379/TCP 0s
controlplane $ kubectl describe services redis-master
Name: redis-master
Namespace: default
Labels: name=redis-master
Annotations: <none>
Selector: name=redis-master
Type: ClusterIP
IP: 10.96.161.180
Port: <unset> 6379/TCP
TargetPort: 6379/TCP
Endpoints: 10.32.0.193:6379
Session Affinity: None
Events: <none>
controlplane $ kubectl create -f redis-slave-controller.yaml
replicationcontroller/redis-slave created
controlplane $ kubectl get rc
NAME DESIRED CURRENT READY AGE
redis-master 1 1 1 38s
redis-slave 2 2 0 2s

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```
controlplane $ kubectl create -f redis-slave-service.yaml
service/redis-slave created
controlplane $ kubectl get services
NAME           TYPE        CLUSTER-IP      EXTERNAL-IP   PORT(S)    AGE
kubernetes     ClusterIP   10.96.0.1       <none>        443/TCP    45m
redis-master   ClusterIP   10.96.161.180   <none>        6379/TCP   21s
redis-slave    ClusterIP   10.99.128.34    <none>        6379/TCP   2s
controlplane $ kubectl create -f frontend-controller.yaml
replicationcontroller/frontend created
controlplane $ kubectl get rc
NAME           DESIRED   CURRENT   READY   AGE
frontend       3         3         3       3s
redis-master   1         1         1       54s
redis-slave    2         2         2       18s
controlplane $ kubectl get pods
NAME                 READY   STATUS    RESTARTS   AGE
frontend-4hgdh       1/1     Running   0          6s
frontend-4smjl       1/1     Running   0          6s
frontend-wv4rp       1/1     Running   0          6s
redis-master-5j2rm   1/1     Running   0          57s
```

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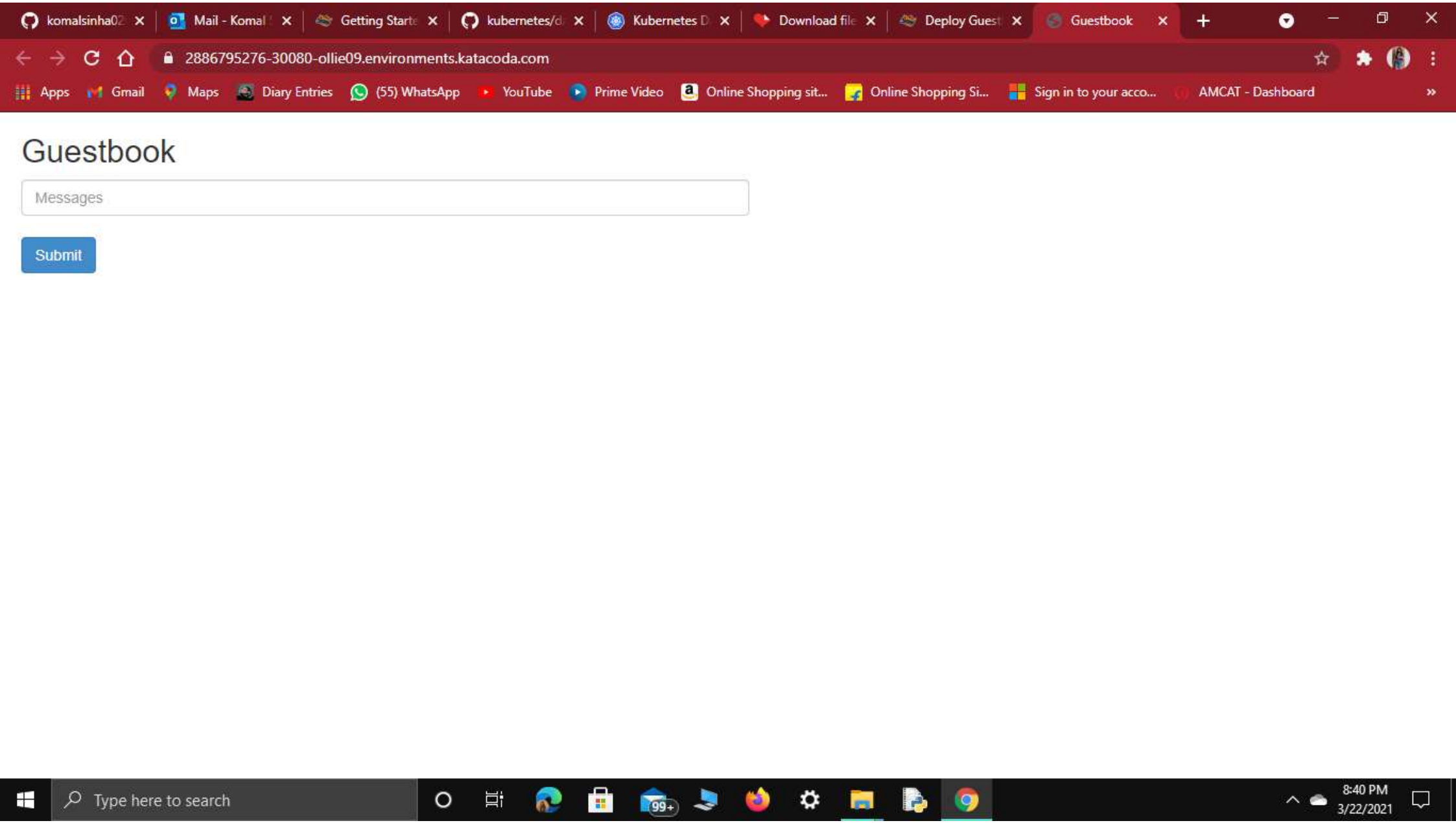
```
controlplane $ kubectl create -f frontend-service.yaml
service/frontend created
controlplane $ kubectl get services
NAME           TYPE        CLUSTER-IP      EXTERNAL-IP   PORT(S)        AGE
frontend       NodePort    10.97.161.183   <none>        80:30080/TCP   3s
kubernetes     ClusterIP   10.96.0.1       <none>        443/TCP        45m
redis-master   ClusterIP   10.96.161.180   <none>        6379/TCP       43s
redis-slave    ClusterIP   10.99.128.34    <none>        6379/TCP       24s
controlplane $ kubectl get pods
NAME                READY   STATUS    RESTARTS   AGE
frontend-4hgdh      1/1     Running   0          21s
frontend-4smjl      1/1     Running   0          21s
frontend-wv4rp      1/1     Running   0          21s
redis-master-5j2rm  1/1     Running   0          72s
redis-slave-rzk5g   1/1     Running   0          36s
redis-slave-tmp4j   1/1     Running   0          36s
controlplane $ kubectl describe service frontend | grep NodePort
Type:                     NodePort
NodePort:                 <unset>  30080/TCP
controlplane $
```


komalsinha02
Mail - Komal
Getting Starte
kubernetes/d
Kubernetes D
Download file
Deploy Guest
Guestbook
2886795276-30080-ollie09.environments.katacoda.com
Apps
Gmail
Maps
Diary Entries
(55) WhatsApp
YouTube
Prime Video
Online Shopping sit...
Online Shopping Si...
Sign in to your acco...
AMCAT - Dashboard
Guestbook
Messages
Submit
Type here to search
8:40 PM
3/22/2021