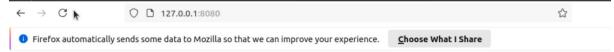
Kubernetes Assignment – 1

1. Deploy and NGINX Pod

```
master@master-vm:~<mark>/Desktop$ kubectl run nginx2-pod --image=nginx --restart=Never</mark>
pod/nginx2-pod created
master@master-vm:~/Desktop$ kubectl get pods
NAME
             READY
                      STATUS
                                  RESTARTS
                                              AGE
nginx-pod
             1/1
                      Running
                                  0
                                              2m15s
nginx1-pod
             1/1
                                              103s
                      Running
                                  0
nginx2-pod
             1/1
                      Running
                                  0
                                              8s
                      Completed
                                              19h
                                  0
nginxpod
             0/1
nginxx-pod
             1/1
                      Running
                                  0
                                              2m7s
master@master-vm:~/Desktop$ kubectl port-forward nginx-pod 8080:80
Forwarding from 127.0.0.1:8080 -> 80
Forwarding from [::1]:8080 -> 80
Handling connection for 8080
Handling connection for 8080
^Cmaster@master-vm:~/Desktop$ kubectl port-forward nginx-pod 8080:80
Forwarding from 127.0.0.1:8080 -> 80
Forwarding from [::1]:8080 -> 80
Handling connection for 8080
Handling connection for 8080
^Cmaster@master-vm:~/Desktop$ kubectl delete pod nginx-pod
pod "nginx-pod" deleted
 naster@master-vm:~/Desktop$
```



Welcome to nginx!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to <u>nginx.org</u>. Commercial support is available at <u>nginx.com</u>.

Thank you for using nginx.

2. Create a NGINX Deployment and Scale it

```
kubectl create deployment nginx-deployment --image=nginx
 Mester@ment.apps/nginx-deployment created mester@mester-vm:-/Desktop$ kubectl get deployments NAME READY UP-TO-DATE AVAILABLE
NAME READ of the name of the n
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10.244.0.20
10.244.0.19
10.244.0.14
nginx-deployment-6cfb98644c-m4g47
nginx-deployment-6cfb98644c-mqrz5
nginx-deployment-6cfb98644c-vqp6s
nginx-pod []
                                                                                                                                                                                                                                                                                                                                                                                                                                              13s
14s
                                                                                                                                                                                                                                                                                Running
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                                                                                                                                                                                                                                                                                                                                                      0
1 (20m ago)
0
                                                                                                                                                                                                                                                                               Running
Running
                                                                                                                                                                                                                                                                                                                                                                                                                                             40s
18h
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         minikube
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 ngthxpod 1/1 Running 1 (20m ago)
0/1 Completed 0
master@master-vm:~/Desktop$ kubectl delete deployment nginx-deployment
deployment.apps "nginx-deployment" deleted
master@master-vm:~/Desktop$
                                                                                                                                                                                                                                                                                                                                                                                                                                              18h
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    10.244.0.11
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```