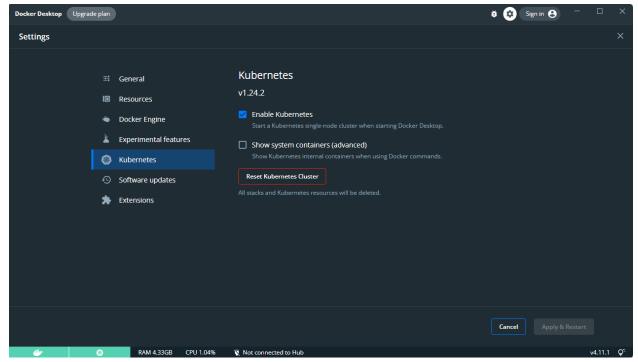
D15B 37 Name-Miki I, lalwani Advance DerOps lab Experiment 4 To install loubect and execute kubect commands to manage the kubernetes duster and deploy
your first kubernetes application. Theony-Docker is an open platform for developing shipping and winning applications. Docker enables you to separate your applications from your infrastructure so you can deliver software quickly. With Docker you can manage your infrastructure in the same ways you manage your applications. By taking advantage of docker's methodologies for shipping, testing and deploying code quickly, you can significantly reduce the delay between writing code and winning it in production. The subernetes command-line tool, kubectl, allows you to non commande against kuberneter dusters.
You can use kuberte to deploy applications, inepet and manage duster resources and viewdogs. FOR EDUCATIONAL USE (Sundaram)

## Steps-

- 1. Install Docker Destop.
- 2. Enable Kubernetes in Docker Desktop.



 Run these commands-Kubectl version –short Kubectl run my-nginx –image nginx Kubectl get pods Kubectl get all Kubectl delete pod my-nginx

```
Windows PowerShell
PS C:\Users\Mikil> kubectl run my-nginx --image nginx
ood/my-nginx created
PS C:\Users\Mikil> kubectl get pods
         READY STATUS
0/1 ContainerCreating
NAME
                                      RESTARTS
                                                 AGE
my-nginx 0/1
                                                 3s
PS C:\Users\Mikil> kubectl get all
NAME
              READY STATUS
                               RESTARTS
                                           AGE
ood/my-nginx
              1/1
                      Running
                                0
                                           7s
NAME
                    TYPE
                                CLUSTER-IP
                                             EXTERNAL-IP
                                                           PORT(S)
                                                                     AGE
service/kubernetes
                    ClusterIP 10.96.0.1 <none>
                                                           443/TCP
                                                                     19m
PS C:\Users\Mikil> kubectl delete pod my-nginx
ood "my-nginx" deleted
PS C:\Users\Mikil> kubectl get pods
No resources found in default namespace.
PS C:\Users\Mikil>
```

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	Thus we successfully installed and executed kubectl.
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(Sundaram)	FOR EDUCATIONAL USE