1.

```
Administrator: Command Prompt
Z:\kubernetes>k3d cluster create -a 5 -s 3 k8sIntroLabCluster
INFO[0000] Prep: Network
INFO[0000] Created network 'k3d-k8sIntroLabCluster'
INFO[0000] Created image volume k3d-k8sIntroLabCluster-images
INFO[0000] Starting new tools node...
INFO[0000] Creating initializing server node
INFO[0000] Creating node 'k3d-k8sIntroLabCluster-server-0'
INFO[0001] Pulling image 'ghcr.io/k3d-io/k3d-tools:5.6.3'
INFO[0002] Pulling image 'docker.io/rancher/k3s:v1.28.8-k3s1'
INFO[0013] Starting node 'k3d-k8sIntroLabCluster-tools'
INFO[0065] Creating node 'k3d-k8sIntroLabCluster-server-1'
INFO[0136] Creating node 'k3d-k8sIntroLabCluster-server-2'
INFO[0136] Creating node 'k3d-k8sIntroLabCluster-agent-0'
INFO[0136] Creating node 'k3d-k8sIntroLabCluster-agent-1'
INFO[0136] Creating node 'k3d-k8sIntroLabCluster-agent-2'
INFO[0137] Creating node 'k3d-k8sIntroLabCluster-agent-3'
INFO[0137] Creating node 'k3d-k8sIntroLabCluster-agent-4'
INFO[0137] Creating LoadBalancer 'k3d-k8sIntroLabCluster-serverlb'
INFO[0139] Pulling image 'ghcr.io/k3d-io/k3d-proxy:5.6.3'
INFO[0175] Using the k3d-tools node to gather environment information
INFO[0176] Starting new tools node...
INFO[0176] Starting node 'k3d-k8sIntroLabCluster-tools'
INFO[0177] Starting cluster 'k8sIntroLabCluster'
INFO[0177] Starting the initializing server...
INFO[0177] Starting node 'k3d-k8sIntroLabCluster-server-0'
INFO[0180] Starting servers...
INFO[0180] Starting node 'k3d-k8sIntroLabCluster-server-1'
INFO[0200] Starting node 'k3d-k8sIntroLabCluster-server-2'
INFO[0215] Starting agents...
INFO[0215] Starting node 'k3d-k8sIntroLabCluster-agent-3'
INFO[0215] Starting node 'k3d-k8sIntroLabCluster-agent-4'
INFO[0215] Starting node 'k3d-k8sIntroLabCluster-agent-1'
INFO[0215] Starting node 'k3d-k8sIntroLabCluster-agent-2'
INFO[0215] Starting node 'k3d-k8sIntroLabCluster-agent-0'
INFO[0220] Starting helpers...
INFO[0220] Starting node 'k3d-k8sIntroLabCluster-serverlb'
INFO[0227] Injecting records for hostAliases (incl. host.k3d.internal) and for 10 network members into CoreDNS configmap...
INFO[0229] Cluster 'k8sIntroLabCluster' created successfully!
INFO[0229] You can now use it like this:
kubectl cluster-info
```

2.

```
Z:\kubernetes>kubectl get nodes
NAME                                STATUS   ROLES                       AGE     VERSION
k3d-k8sintrolabcluster-agent-0      Ready    <none>                      2m21s   v1.28.8+k3s1
k3d-k8sintrolabcluster-agent-1      Ready    <none>                      2m22s   v1.28.8+k3s1
k3d-k8sintrolabcluster-agent-2      Ready    <none>                      2m22s   v1.28.8+k3s1
k3d-k8sintrolabcluster-agent-3      Ready    <none>                      2m23s   v1.28.8+k3s1
k3d-k8sintrolabcluster-agent-4      Ready    <none>                      2m23s   v1.28.8+k3s1
k3d-k8sintrolabcluster-server-0     Ready    control-plane,etcd,master   3m      v1.28.8+k3s1
k3d-k8sintrolabcluster-server-1     Ready    control-plane,etcd,master   2m41s   v1.28.8+k3s1
k3d-k8sintrolabcluster-server-2     Ready    control-plane,etcd,master   2m26s   v1.28.8+k3s1

Z:\kubernetes>
```

3.

```
Z:\kubernetes>kubectl get pods --all-namespaces
NAMESPACE     NAME                                      READY   STATUS      RESTARTS   AGE
kube-system   coredns-6799fbcd5-cjzs7                   1/1     Running     0          3m18s
kube-system   helm-install-traefik-b28xd                0/1     Completed   1          3m18s
kube-system   helm-install-traefik-crd-cv2dd            0/1     Completed   0          3m18s
kube-system   local-path-provisioner-6c86858495-7vqrb   1/1     Running     0          3m18s
kube-system   metrics-server-54fd9b65b-2ppc6            1/1     Running     0          3m18s
kube-system   svclb-traefik-d3340750-297m2              2/2     Running     0          67s
kube-system   svclb-traefik-d3340750-9gfrf              2/2     Running     0          67s
kube-system   svclb-traefik-d3340750-bndxr              2/2     Running     0          67s
kube-system   svclb-traefik-d3340750-gkphf              2/2     Running     0          67s
kube-system   svclb-traefik-d3340750-nj4ft              2/2     Running     0          67s
kube-system   svclb-traefik-d3340750-pmxgs              2/2     Running     0          67s
kube-system   svclb-traefik-d3340750-rglfb              2/2     Running     0          67s
kube-system   svclb-traefik-d3340750-rgxwr              2/2     Running     0          67s
kube-system   traefik-f4564c4f4-wshct                   1/1     Running     0          67s
```

4.

```
Z:\kubernetes>k3d cluster delete k8sIntroLabCluster
INFO[0000] Deleting cluster 'k8sIntroLabCluster'
INFO[0008] Deleting cluster network 'k3d-k8sIntroLabCluster'
INFO[0008] Deleting 1 attached volumes...
INFO[0008] Removing cluster details from default kubeconfig...
INFO[0008] Removing standalone kubeconfig file (if there is one)...
INFO[0008] Successfully deleted cluster k8sIntroLabCluster!
```