**KUBERNETES ASSIGNMENT 1**

**Exercise 1: Deploy an Nginx pod**

**Step 1: Start a Kubernetes cluster (Minikube or other cluster):**

minikube start

**Step 2: Create an Nginx pod:**

kubectl run nginx-pod --image=nginx --restart=Never

**Step 3: Verify the pod is running:**

kubectl get pods

**Step 4: Check pod details:**

kubectl describe pod nginx-pod

**Step 5: Delete the pod:**

kubectl delete pod nginx-pod

A screenshot of a computer screen

AI-generated content may be incorrect.

A screenshot of a computer program

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**Exercise – 2: Create an Nginx Deployment and scale it.**

**Step 1: Create a deployment with Nginx:**

kubectl create deployment nginx-deployment --image=nginx

**Step 2: Check the deployment:**

kubectl get deployments

**Step 3: Scale the deployment to 3 replicas:**

kubectl scale deployment nginx-deployment --replicas=3

**Step 4:Check the running pods:**

kubectl get pods -o wide

**Step 5: Delete the deployment:**

kubectl delete deployment nginx-deployment

A screenshot of a computer program

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