**KUBERNETES ASSIGNMENT 2**

**Exercise 1: Create a Pod using a YAML Manifest**

**Step 1: Create a YAML file (nginx-pod.yaml):**

**Step 2: Apply the YAML file:**

kubectl apply -f nginx-pod.yaml

**Step 3: Check if the pod is running:**

kubectl get pods

**Step 4: Delete the pod using YAML:**

kubectl delete -f nginx-pod.yaml

A screenshot of a computer

AI-generated content may be incorrect.

**Exercise 2: Create and Use a ConfigMap**

**Step 1: Create a ConfigMap:**

kubectl create configmap app-config --from-literal=APP\_ENV=production

**Step 2: Verify ConfigMap:**

kubectl get configmaps app-config -o yaml

**Step 3: Create a pod that uses the ConfigMap (nginx-config-pod.yaml):**

**Step 4: Deploy the pod:**

kubectl apply -f nginx-config-pod.yaml

**Step 5: Check if the pod is running:**

kubectl get pods

**Step 6: Delete the pod and ConfigMap:**

kubectl delete -f nginx-config-pod.yaml

kubectl delete configmap app-config

A screenshot of a computer program

AI-generated content may be incorrect.