**Lesson 9 Demo 6**

**Pod Logs**

**Objective:** Create and check Pod logs

**Tools required:** kubeadm, kubectl, kubelet, and etcd

**Prerequisites:** Refer to Lesson 2 Demo1 and Lesson 8; Demo 1 and 2

Steps to be followed:

1. Writing the code in the ngnix.yaml file to create Nginx Deployment and verify Deployment and Pods by using the mentioned command
2. Creating a Deployment for Nginx using ta mentioned command
3. Verifying Deployments and Pods
4. Checking the logs of the Nginx Pod

**Step 1: Writing the code in the ngnix.yaml file to create Nginx deployment**

**vi nginx.yaml**

**apiVersion: apps/v1**

**kind: Deployment**

**metadata:**

**creationTimestamp: null**

**labels:**

**app: nginx**

**name: nginx**

**spec:**

**replicas: 1**

**selector:**

**matchLabels:**

**app: nginx**

**strategy: {}**

**template:**

**metadata:**

**creationTimestamp: null**

**labels:**

**app: nginx**

**spec:**

**containers:**

**- image: nginx**

**name: nginx**

**resources: {}**

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**Step 2: Creating a Deployment for Nginx using the mentioned command**

**kubectl create -f nginx.yaml**

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**Step 3: Verify Deployments and Pods**

**kubectl get deployments**

**kubectl get pods**

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**Step 4: Checking the logs of the Nginx Pod**

**kubectl logs nginx-85b98978db-6jdq4**

(Note: get Pod name from kubectl get Pods )

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