

## TASK 4

### **Step 1: Start Minikube**

```
minikube start --driver=docker --force
```

### **Step 2: Create a Deployment**

```
kubectl create deployment webapp --image=nginx --port=80
```

### **Step 3: Expose the Deployment as a Service**

```
kubectl expose deployment webapp --type=NodePort --port=80 --target-port=80
```

### **Step 4: Verify the Running Pods**

```
kubectl get pod
```

### **Step 5: Verify the Service**

```
kubectl get svc
```

### **Step 6: Open the Service in a Web Browser**

```
minikube service webapp
```

### **Step 7: Test the Service Using curl**

```
curl http://192.168.49.2:32172
```

### **Step 8: Continuously Monitor the Pods**

```
watch kubectl get pod
```

### **Step 9: Continuously Monitor Pod Logs**

```
watch kubectl logs webapp-869b646d9f-5nlp5
```

