**Task Description**

**Kubernetes Task - 1**

Setup Minikube at your local and explore creating namespaces (Go through official documentation)

**Step 1: Prerequisites:**

* Docker Desktop
* Minikube
* Kubectl

**Step 2: Install Required Tools**

**2.1 Run Docker Desktop**

A screenshot of a computer

Description automatically generated

**2.2 Install Minikube**

A screenshot of a computer

Description automatically generated

~ Minikube start

~ Minikube status

A black screen with white text

Description automatically generated

**2.3 Install Kubectl**

A screenshot of a computer

Description automatically generated

~ kubectl version –client

A black screen with white text and numbers

Description automatically generated

**Step 3: Verify Kubernetes Cluster**

Ensure Minikube is running and check the cluster information

~ kubectl cluster-info

~ kubectl get nodes

A screen shot of a computer

Description automatically generated

**Step 4: Create and Manage Namespaces**

Create New namespaces – yaml file

A screenshot of a computer

Description automatically generated

~ kubectl apply -f namespaces.yaml

A screen shot of a computer

Description automatically generated

~ kubectl get namespaces

//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////