# **Kubernetes DevOps Bootcamp Tasks**

# **Task 01**

**Scenario**:  
You need to manage configuration settings for your application without hardcoding them in your Docker image.

**Objective**: Create a ConfigMap to store configuration data for your application.

**Instructions**:

* **Create a ConfigMap YAML file** named **app-configmap.yaml.**
* **Apply the ConfigMap to Kubernetes**
* **Verify the ConfigMap**

# **Task 02**

**Scenario**:  
Your application requires persistent storage for data that needs to be retained even if the application restarts.

**Objective**: Create a Persistent Volume (PV) and a Persistent Volume Claim (PVC).

**Instructions**:

* **Create a Persistent Volume YAML file named persistent-volume.yaml**
* **Create a Persistent Volume Claim YAML file named persistent-volume-claim.yaml**
* **Apply the PV and PVC to Kubernetes**
* **Verify the PV and PVC**

# **Task 03**

**Scenario:**

Your application is experiencing high traffic, and you need to scale it to handle more requests.

**Objective:** Scale the existing deployment to increase the number of replicas.

**Instructions**:

* **Check the current deployment:**
* **Scale the deployment (replace <deployment-name> with your actual deployment name)**
* **Verify the scaling**