**Problem Statement 3**

**Title : Deploying a GoLang App on Kubernetes**

**Objective:** Build and deploy a web application using GoLang, Docker, and Kubernetes. The application will display the current date and time and will be deployed in a highly available setup using Kubernetes. The goal is to have a scalable, publicly accessible service that displays the current date and time.

**Deliverables:**

1. **GoLang Application**: A simple web application that outputs the current date and time.
2. **Docker Image**: Containerized version of the GoLang application, hosted on DockerHub.
3. **Kubernetes Deployment**: A deployment of the application with two replicas for high availability using Kubernetes.
4. **Exposed Application**: The application should be publicly accessible on the internet via a LoadBalancer service.

**Evaluation Criteria:**

1. **Code Quality**: Well-structured, clean, and properly documented GoLang code.
2. **Containerization**: Proper creation and pushing of the Docker image to DockerHub.
3. **Kubernetes Knowledge**: Correct usage of declarative YAML files for deployment and service configuration.
4. **Scalability**: The application should be running with at least 2 replicas for high availability.
5. **Public Access**: The application should be accessible over the internet through an external IP.

**Resources**:

* Use Qwiklabs or platforms like GCP or Play with Kubernetes for learning and deployment.