**Kubernetes Assignment 2**

1. What is the importance of Load Balance in Kubernetes?

Ans: Load balancing, a critical strategy for maximizing availability and scalability, is the process of distributing network traffic efficiently among multiple backend services.

1. What is the relationship between Kubernetes and Docker?

ANs: Docker runs on a single node, whereas Kubernetes is designed to run across a cluster.

1. What distinguishes Kubernetes from other containers?

Ans: Kubernetes provides the potential to orchestrate and manage all your container resources from a single control plane. It helps with networking, load-balancing, security, and scaling across all Kubernetes nodes which runs your containers.

1. What exactly do you mean when you say heapster?

Ans:

Heapster is a type of cluster-wide aggregator that helps in the process of monitoring and event data.

1. What exactly is a kubelet?

Ans: The kubelet is the primary "node agent" that runs on each node. It can register the node with the apiserver using one of: the hostname;