**Kubernetes Assignment 2**

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

* Load balancer in Kubernetes makes sure each server is utilised optimally which is important in hosted environments where each additional resource used has a cost attached to it. (This topic is not covered in this section of the course)

1. What is the relationship between Kubernetes and Docker?

* Kubernetes is software to manage entire lifecycle of Docker containers. While Docker is the software which is used to create the containers.

1. What distinguishes Kubernetes from other containers?

* Kubernetes helps manage and maintain the containers and is not actually container technology in itself example of container technologies are Docker, CRI-O etc.

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

* In terms of software related to Kubernetes heapster helps cluster monitoring and performance analysis. (This topic is too not talked about in the this section of the course)

1. What exactly is a kubelet?

* It is an agent service on each node of the Kubernetes cluster which monitors the state of each container running in pods.