LAB 2: QUIZ 3

1. Understand what kubernetes doesnt do from here (https://kubernetes.io/docs/concepts/overview/) and explain in your own words.

What Kubernets doesn't do	What Kubernetes Does
There are no restrictions on the types of applications Kubernetes supports.	Kubernetes is designed to accommodate an extensive range of workloads, encompassing stateless, stateful, and data-processing tasks. If an application can operate within a container, it is expected to perform excellently on Kubernetes.
Kubernets is not an IDE	It operates at the container level
Kubernetes is not a traditional, all-inclusive PaaS (Platform as a Service) system	Kubernetes operates at the container level rather than at the hardware level, it provides some generally applicable features common to PaaS offerings, such as deployment, scaling, load balancing, and lets users integrate their logging, monitoring, and alerting solutions.
Does not prescribe specific logging, monitoring, or alerting solutions.	It provides some integrations as proof of concept, and mechanisms to collect and export metrics.

2. What other Orchestration tools are available other than Kubernetes

- **Docker Swarm:** The Docker ecosystem consists of tools from development to production deployment frameworks.
- **OpenShift**: Along with core Kubernetes features, it offers container management and orchestration out-of-the-box features.
- **Rancher**: Rancher is an opensource container orchestration tool. At the core, the rancher uses kubernetes as the container orchestrator.
- **Mesos**: Cluster Management tool

- **Hasicorp Nomad**: Nomad is an orchestration platform from Hashicorp that supports containers.