Lab 2 Task 3

Q1) Understand what kubernetes doesnt do from here
(https://kubernetes.io/docs/concepts/overview/) and explain in your own words. **Do not copy and paste from the website.**

1. **Container Runtime:** Kubernetes doesn't run containers, it manages them.
2. **Containerizing Apps:** You need to package your app into a container before Kubernetes can handle it.
3. **Image Management:** Kubernetes doesn't store or manage container images. You'll need a separate container registry for that.
4. **Image Security:** Kubernetes doesn't scan images for vulnerabilities. That's a separate task.
5. **Storage:** Kubernetes can connect to storage systems, but doesn't set them up.
6. **Infrastructure:** Kubernetes doesn't set up or scale servers. You need to provide the servers.
7. **Code Deployment:** Kubernetes doesn't deploy source code or build apps. It's all about managing containers.

Q2) What other Orchestration tools are available other than Kubernetes?

Ans -

Other orchestration tools available in addition to Kubernetes include:

1. Docker Swarm

2. Apache Mesos

3. OpenShift

4. Nomad

5. Rancher