**Docker Assignment 7**

1. In Docker, where are docker volumes stored?

Ans: Volumes are stored in a part of the host filesystem which is managed by Docker var/lib/docker/volumes is the path.

1. What is the purpose of the docker info command?

Ans: Displays/ Shows system wide information regarding the docker installation.

1. What are the minimum system requirements for Docker to run?

Ans: 64-bit processor with Second Level Address Translation (SLAT)

4GB system RAM.

BIOS-level hardware virtualization support must be enabled in the BIOS settings.

1. What are the most widely utilized Dockerfile instructions?

Ans: FROM,RUN,CMD,WORKDIR ,COPY,ADD

1. When using docker-compose, how will you ensure that container 1 runs before container 2? Also, could you provide a sample Yaml example file?

Ans: Create a user-defined bridge network: Create your own custom bridge network first using docker network

1. How can I utilise Docker to run several applications in a single environment?

ANs: Avoid one container being responsible for multiple aspects of your overall application. You can connect multiple containers using user-defined networks and shared volumes.

1. What are the System commands for controlling Docker?

Ans: docker run, docker start, docker stop, docker pull.

1. How do you scale your Docker containers, and what command do you use to do so?

Ans: The scale command enables you to scale one or more replicated services either up or down to the desired number of replicas.

1. What exactly is CNM?

Ans: Provides networking abstractions/API for container networking.

1. Explain what some of the more complex Docker commands do.

Ans: Perform complex tasks.

1. How do Docker object labels work?

Ans: Docker labels let you attach arbitrary metadata to your containers, images, volumes, and other resources