**Docker Assignment 4**

1. What are features possible only under Docker Enterprise Edition compared to the Docker community edition?

Ans: Docker CE (Community Edition) is the simple classical OSS (Open Source Software) Docker Engine. Docker EE (Enterprise Edition) is Docker CE with certification on some systems and support by Docker Inc.

1. How to create a user-defined bridge network?

Ans: $ docker network create my-net command can be used.

1. Does Docker support IPv6?

ANs: Yes, it does.

1. How to deploy your images with azure container instances?

ANs: First publish your Docker image to a container registry then you can connect the Container Instance to the registry and deploy the image.

1. What is the docker swarm?

Ans: Enables you to create a cluster of one or more Docker Engines called a swarm. A swarm consists of one or more nodes

1. What is a memory-swap flag?

Ans: A modifier flag that only has meaning if --memory is also set.

1. Can you explain the different volume mount types available in Docker?

Ans: Bind mounts may be stored anywhere on the host system

tmpfs mounts are stored in the host system’s memory only, and are never written to the host system’s filesystem.

Volumes are stored in a part of the host filesystem which is managed by Docker

1. How to share data among Docker hosts?

ANs: Step:1 Create a volume. Start by creating a volume using this command

docker volume create

Step 2: Container mapping.

Step 3: Get the IP Address of your host computer. ...

Step 4: Testing.

1. How to backup, restore, or Migrate data volumes under docker containers?

Ans: 1) Launch a new container and mount the volume from the dbstore container

2) Mount a local host directory as /backup

3) Pass a command that tars the contents of the dbdata volume to a backup.tar file inside our /backup directory.

1. Why does the docker service take 10 seconds to recreate or stop?

Ans: They are waiting to be shutdown using SIGTERM signal.