**Docker Assignment 3**

1. What is the way to establish communication between the docker and Linux hosts?

Ans: For containers to communicate with other, they need to be part of the same network. A virtual network called bridge by default, and connects your containers to it

1. Differentiate between COPY and ADD commands that are used in a Dockerfile?

Ans: COPY takes in a src and destination. It only lets you copy in a local or directory from your host into the Docker image itself. ADD lets you do that too, but it also supports 2 other sources.

1. Can you tell what the functionality of a hypervisor is?

Ans: A hypervisor is a software that makes virtualization possible. It is also called Virtual Machine Monitor. It divides the host system and allocates the resources to each divided virtual environment. You can basically have multiple OS on a single host system

1. Can you tell me something about the docker namespace?

Ans: A namespace is one of the Linux features and an important concept of containers. Namespace adds a layer of isolation in containers.

1. In what circumstances will you lose data stored in a container?

Ans: The data of a container remains in it until and unless you delete the container.

1. Can you use a container, edit it, and update it? Also, how do you make it new and store it on the local system?

Ans: Yes, we can. $ docker commit <conatainer id> <imagename>

1. How to delete an image from the local storage system?

Ans: for /F %i in ('docker images -a -q') do docker rmi -f %i

1. How to build a Dockerfile?

Ans: Creating a Dockerfile is as easy as creating a new file named “Dockerfile” with your text editor of choice and defining some instructions. The name of the file

does not really matter. Dockerfile is the default name but you can use any filename that you want

1. Do you know why the docker system prune is used? What does it do?

ANs: It  is used to remove all the stopped containers, all the networks that are not used, all dangling images and all build caches

1. What command can you run to export a docker image as an archive?

ANs: docker export command is used.