Docker Assignment 3

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

COPY copies a file/directory from your host to your image.It can be used for simply copying files and/or directories into the build context.

ADD copies a file/directory from your host to your image, but can also fetch remote URLs, extract TAR files.It can be used for downloading remote resources, extracting TAR files, etc.

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

A hypervisor, also known as a virtual machine monitor or VMM, is software that creates and runs virtual machines (VMs).

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

Docker uses namespaces of various kinds to provide the isolation that containers need in order to remain portable and refrain from affecting the remainder of the host system

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

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?

Yes, a docker container can be edited and updated.

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

$ docker rmi <image\_id>

1. How to build a Dockerfile?

$ docker build <path to docker file>

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

For Removing unused data

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

docker save -o <exported\_name>.tar <container-name>