[CS200]- Software Tool and Technologies Lab-II **Fall 2020-21**

Homework: V

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Q2 Solution-

•Docker commands used in this question are described below:-

docker pull $httpd$ //Pull a stable docker image "httpd" for "Apache http web-server" from the Docker-Hub registry.

docker image ls //List all of the images which are locally stored with the Docker Engine

docker container ls //List all of the running containers and also list stopped containers by adding –all

docker build -t $my\text{-}apache2$. //Build an image named as "my-apache2" in the current directory from the Dockerfile and tag the image
.

docker container run –name $grp\text{-}member2$ -p 8080:80 my-apache2

//Run a container from the Apache version 2.4 image with running container's name as grp-member2 and expose port 8080 externally which mapped to port 80 inside the container.

docker push $anubh123/my\text{-}apache2\text{-}http$ //Push image to Docker-Hub registry's username- "anubh123" and repository name- "my-apache2-http"
.

Dockerfile Instruction Commands used:-

FROM // It defines the base image used to start the build process

COPY //It copies the files from a source on the host into the container's own filesystem at the set destination.

•The dockerfile with name "**Dockerfile**" as well as the html-file given in qn2 for testing its working named as "**q2page.html**" has been shared.

•**Link to my Docker-Hub Repository(Grp-member2):-**

https://hub.docker.com/repository/docker/anubh123/my-apache2-http