DOCKER COMMANDS:

1. docker version — to check docker software version

2. docker info — Complete details about docker demon

3. docker log path : /var/lib/docker — All the objects created by docker will be listed.

4. docker demon settings : /etc/docker — if we want to make any changes to docker configuration.

5. docker run -it image bash —

docker pull <image-name> — to pull a image from remote repo to local repo

docker pull ubuntu

docker run -it -d —name <container-name> image-name

docker run -it -d -name venkyOS alpine

(This command pull the image from remote repo and creates a container in detachable mode)

docker run -it —name venkyOS1 ubuntu bash or docker run -it —name venkyOS1 ubuntu

(This command pull the image from remote repo and creates a container and logs into the container. Need to enter ctrl p and ctrl q to come out without killing the container)

docker exec -it <container-name> bash

(This command will allow us to connect to the container)

docker exec -it venkyOS bash

docker ps — to check the running containers

docker ps -q — to check the running and stopped containers

docker rm -f <container-name> - to delete stopped container

docker rm -f <container-id> - to delete stopped container

docker images — to list the images

docker -rmi -f <image-name> or <image-id> — to remove images.

docker images -q — to list the image id’s

docker rmi -f $(docker images -q) — to delete all the images in the system in 1 go.

docker search <image-name> — this will connect to docker hub and lists all the available images

Example: docker search http

docker search --limit 2 — lists 2 images

docker search -f filter=is-official=true <image-name>

docker search -f filter=is-official=true httpd — lists only official images

docker search -f filter=stars=3 <image-name> — lists images with 3 or more star ratings

docker search -f filter=stars=3 httpd

docker login (hub.docker.com)

docker login registry.redhat.io

docker inspect <container-name> — to check the info about the container

docker inspect redhat\_apache. docker inspect <container-name> | grep -i ipadd

docker exec -it <container-name> df -h — to check FS without logging into the container

docker exec -it <container-name> cat /etc/os-release — to check content without logging into the container

Tagging :

### Tagging is important for versioning the images

docker tag <image-id> image-name:tag

docker tag 123456 nginx:v1.0

docker tag <image-id> repository-name:tag-name — This is way we need to tag to push the image to our repository

docker tag 12345 maven1985/containers:nginx-v2.0

docker push maven1985/containers:nginx-v2.0

#### Mounting or mapping volumes to container #####

docker run -it -d --name <container-name> -v /local-path:<container-path> image-name

docker run -it -d —-name test\_vol\_apache -v /root/data:/usr/local/apache2/htdocs httpd