Devops class revision was done by me date wise

1. To see compose version

Docker-compose –version

1. To got to docker compose yml file

Vim docker-compose.yml

1. To come out of yml file

Esc:wq (save and come out)

1. To run docker compose

Docker-compose up (-d for detached mode to run logs in background)

1. To delete docker compose

Docker-compose down

1. To stop docker compose

Docker-compose stop

1. To start docker compose

Docker-compose start

1. To set our own name to file in compose

Container\_name: chrome

Volumes (-v)

1. Simple docker volumes – (preserve the data even container is deleted) (-v)
2. Sharable docker volumes – (To share multiple container) (--volumes-from)
3. Docker volume containers (By directional)

To delete volumes

Docker volume prune

To see volumes

Docker volume ls

To create volume

Docker volume create file name

To go to specific file

Docker attach file name

To go to interactive terminal of particular container

Docker exec -it \_file name bash

Apt-get update

Apt-get install -y tree

Important keyword used in dockerfile

Note: We should give all this in upper case only.

1. FROM = base image (Mandatory keyword)
2. MAINTAINER (Optional keyword)
3. RUN (Running the Linux command within customized image container)
4. COPY
5. ADD (Later addition)
6. EXPOSE (port mapping) (We can give another port number)
7. ENV (environment variables)
8. USER (WE can root has use)
9. WORKDIR
10. LABEL
11. SHELL
12. CMD
13. ENTRYPOINT (What would be default process should be trigger when a container starts)
14. VOLUME

-v, --volume-from

15. ARGS

VIM editor or Docker compose file

1. Vim/Vi filename (creating or opening a file)
2. To go into insertmode

i

1. To save and quit

Esc :wq Enter

1. To quit without saving

Esc :q! Enter

Docker build -t mynginx .

T is tag name or file name

Dot represents current directory

Mv dockerfile abcfile

Docker build -f abcfile -t newnginx .

-f is not necessary when file name is dockerfile

1. Cache is time saving mechanism which read data from old one
2. Cache basti is reading data from ubuntu apt server

Command: docker build --no-cache -t filename .

Docker build –no-cache -t myubuntu .

Docker attach to go container in running background

Docker exec -it container name bash

Note: control+c to come out of logs

* It (Interactive terminal)
* Only for linux based containers if we give -it it will go to interactive terminal for non-linux based containers we need to run container and go to command docker exec -it container name.
* For non-linux based containers directly to interactive terminal

Linux based containers shell is default processer.