**INSTALLING UBUNTU**

1.Install Oracle virtual Box [https://www.virtualbox.org/wiki/Downloads (windows](https://www.virtualbox.org/wiki/Downloads%20%20(windows) host)

2. Download Ubuntu iso file (2.5GB)

3. In Virtual Box Select the Ubuntu –Linux Os

In settings, In IDE select the downloaded iso file and Install ubuntu. It takes time to install

3.Remove iso file from the device after installing and restart.

**INSTALLING DOCKER**

Go to terminal and enter

=>sudo apt install docker.io

=>docker --version (To check if its installed)

**DOCKER COMMANDS**

> Find a image from dockerhub of your choice(recommeded: nginx), don't use browser, pull the official image from dockerhub

docker pull nginx

>List all the available images in your machine/vm, make sure you see recently pulled image in the list.

docker images/ docker image -ls

Find out the "Full" ImageId of the image that you pulled and write it below.

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>Create a container of your image

docker container run -d --name cont1 nginx

(-d-> run container in background and print container id)

>List all the running containers

docker ps

>List all the running and stopped containers

docker ps -a

>Find out the "Full" containerId of the container and write it below.

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>Find out how many image layers are used to build this image.

3 Layers

docker history nginx(history of image)

docker inspect nginx(display detailed info)

>To access nginx from machine/vm

Docker container run –d –name cont1 –p 8080:80 nginx

And in browser ->localhost:8080

