Installing docker on ubuntu

Sudo apt update (apt is the package manager of ubuntu : when we run the following statement it will update the package manager in ubuntu)

sudo apt install docker.io (this will install docker)

sudo apt remove docker.io - y (this will remove docker)

docker --version (this will showcase the current version of the docker)

Working with Docker Images :

sudo su (is for getting root access)

sudo docker pull ubuntu (Pulling Ubuntu image from docker , sudo is used for root access in ubuntu)

sudo docker images (this will display all the images available)

sudo docker run -it -d ubuntu (container should be interactive and also be detached i.e should run in the background and then in last we have image name)

long number indicates container has been created.

sudo docker ps (this command shows you details about the container)

sudo docker run -it -d --name mycontainer ubuntu (this will create a container with a customized name)

sudo docker run -it -d -p 80:80 ubuntu (this will align container port to host (or localhost) port and the output gets publish accordingly)

sudo docker exec -ti mycontainer bash (command will allow you to go inside container)

root@b7598fe7f499: This means we are inside the container (after @ (you will have the container id)

root@b7598fe7f499 : sudo apt install nginx -y (installing nginx inside container)

service nginx status : This command will indicate whether nginx is running or not.

service nginx start : This command will start nginx

exit : to come out of the container

docker stop (container id) : This will stop the working of the container.

docker commit (container id) custom-image

docker images (will display all images in the docker)

docker tag custom-image dharniv/nginx-ubuntu-image (renaming an existing image)

docker login   (Befor you pushing new image to docker hub , you need to login)

username :   (your docker account credentials will come handy here)

password :

docker push dharniv/nginx-ubuntu-image (pushing new image to docker hub)

docker rmi (image id) : This removes the images with the help of image id.