1- Install docker.

sudo apt-get update

sudo apt-get install docker-ce docker-ce-cli containerd.io

2- List all running containers

docker ps

3- List all containers in your system

docker ps -a

4- List all images in your system

docker image ls

5- Pull nginx image and give it a name

docker pull nginx

docker image tag myNginx nginx

6- Try to run nginx.

* Did it work? No
* Why? Because there was another process running in the same port.
* How to make it work? Run it in another port .

docker run nginx

7- Watch container logs

docker log [container\_id]

8- Try inspect container ip

docker inspect [container\_id]

9- Try to execute inside nginx continer

docker exec -it [container\_id] sh

10- Try to remove nginx image.

\* Did it work? docker rmi nginx

\* Why? No

\* How to solve it? docker rmi nginx [container\_id] -f

It doesn't work because we have a container based on it we can either force remove it using option --force or removing all containers based on it

11- Try run ubuntu container

* Did it work? docker rmi ubuntu
* Why?
* How to make it work ? yes

12- Create a file inside ubuntu container

docker exec -it [container\_id] bash

13- Exit the container.

exit / control C

14- Try to start it again.

\* Did you find the file? yes