List Docker Images:

docker images

List containers:

docker ps

docker ps -a

docker ps -l

only container id -> docker ps -a -q

Run Docker Images:

docker run hello-world

Run Docker Image interactively:

docker run -it ubuntu bash

Run Docker Image in background:

docker run -d username/clock

See Result in logs for background images:

docker logs container-id

See n line of end in log:

docker logs - -tail 5 container-id

Stop or Kill a container:

docker stop container-id 🡪 after some time

docker kill container-id 🡪 much quick and send terminate signal immediately

Search docker image:

docker search zookeeper

Pull docker image:

docker pull debian:jessie

docker pull ubuntu:latest

Building docker image interactively:

docker run -it ubuntu bash

apt-get update

apt-get install wget

apt-get install curl

exit

docker diff container-id

docker commit container-id

docker run -it given-image-id bash

Building docker image interactively and give name to it:

docker run -it ubuntu bash

apt-get update

apt-get install wget

apt-get install curl

exit

docker diff container-id

docker tag image-id name

docker run -it given-image-id bash

Remove docker container:

Docker rm container-id

Remove docker image:

Docker rmi image-id/image-name

Or

Docker rmi -f image-id/image-name

Building docker image with docker file:

First create file with name of Dockerfile

From ubuntu

Run apt-get update

Run apt-get install -y wget

docker build -t my\_ubuntu .

or

docker build -t my\_ubuntu -f "Dockerfile.txt" . . means current directory and -t is for tag name

docker history:

docker history image-id/name

docker firefox:

apt-get update

apt-get install firefox

apt-get install xauth