

# Docker Commands.

## 1) Docker Run command

→ `docker run nginx.`

→ If the image is not present locally it will go and fetch the image from docker hub & it will do this only for the first time. Next time it will take the image from local.

## 2) Docker PS command

→ `docker ps.`

To list all the Containers.

→ `docker ps -q`

To list all the stop, Running, exited Containers.

## 3) To Stop Docker Container.

→ `docker ps.`

→ `docker stop containername/container_id.`

→ To stop container you must provide container name or container id you can get the container name & id from `docker ps` command.

→ This will soft delete the container & this container will consume space because it is just stopped if you need to remove it you can use `docker rm` command.

## 4) Docker Remove Container.

→ `docker rm containername/container_id.`

## 5) Docker Images List

→ `docker images`

→ It will list all the images present in docker locally.

## 6) Remove Docker Image

→ `docker rmi nameofImage/ImageId.`

Note: before removing delete all the containers that using this image

## 7) Docker pull Command to pull an image from Registry.

→ ~~docker~~ docker pull nginx

↓ This will pull the image from Registry (docker hub).

## 8) Docker Append Command

⇒ docker run ubuntu sleep 5.

Appending the process once container starts.

## 9) Docker Execute Command

Suppose a Container is running and I want to execute some command inside it then we can use exec command.

⇒ docker exec distracted-mec cat /etc/hosts.

execute.      Name of Container      Command to execute inside Container.

Output:-

```
127.0.0.1    localhost
::1         localhost ip6-localhost ip6-loopback
fe80::0     ip. -
:
```

It will print the logs in the cmd.

## 10) Run - attach and detach Mode

⇒ Attach Mode

⇒ docker run -simple-webapp.

Container. log      Application running on port 8080.

→ we will see "output" in the console and we cannot do anything.

⇒ Detach Mode

⇒ docker run -d simple-webapp

~~output~~

output ⇒ you will get container id as an output in console log.

Now we can use this container id to get inside the container

start, stop the container as we want.

To get back to attach mode you can execute below command

⇒ docker attach a043d/container id.