commands to install docker on ubuntu

commands related to docker images

• get the list of images

```
> docker image ls
```

• pull an image

```
> docker image pull <image name>
> docker image pull hello-world
```

• inspect the image details

```
> docker image inspect <image name>
> docker image inspect hello-world
```

· remove docker image

```
> docker image rm <image name>
```

· build an image using Dockerfile

> docker image build -t <tag> <path where Dockerfile exists>

commands related to docker containers

- get the list of **running** containers
 - > docker container ls
- get the list of all containers
 - > docker container ls -a
- create a container
 - > docker container create <image name>
 - > docker container create hello-world
- start a stopped/created container
 - > docker container start <container name> / <container id>
 - > docker container start 912344
- run a new container (creates/starts) in attached mode
 - o press ctrl + c to exit from the container
 - > docker container run <image name> / <image id>
 - > docker container run --name <container name> <image name>
- run a new container (creates/starts) in detached mode
 - > docker container run --name <container name> -d <image name>
- stop a running container
 - > docker container stop <container name> / <container id>
 - > docker container stop 912344

remove docker container

```
> docker container rm <container name> / <container id>
> docker container rm --force <container name> / <container id>
```

• inspect the container details

```
> docker container inspect <container name> / <container id>
```

executing command inside container

```
> docker container exec <id> <command>
> docker container exec -it <id> <command>
```

get the shell control of a container

```
> docker container exec -it <id> bash/sh
```

• attaching to the container

```
> docker container attach <id>
```

• get container logs

```
> docker container logs <id>
```

• publish port on a container

```
> docker container run --name <container name> -p <source>:<destination>
--network <network name> <image name>
```

create a container with network settings

```
> docker container run --name <container name> -p <source>:<destination>
<image name>
```

commands related to docker network

get the list of networks
> docker network ls
get the details of a network
> docker network inspect <network name=""></network>
disconnect a container from a network
<pre>> docker network disconnect <network name=""> <container name=""></container></network></pre>
connect a container to a network
<pre>> docker network connect <network name=""> <container name=""></container></network></pre>
create a custom network
<pre>> docker network createdriver <driver name=""> <network name=""></network></driver></pre>
remove a network
> docker network rm <network name=""></network>
remove a network automatically (when there is no container attached to the network)
> docker network prune