Commands:

#Check docker version:

**docker version**

#Check docker detail information.

**docker info**

# To run Docker container—example

**docker container run --publish 80:80 nginx**

# To run docker container in background

**docker container run --publish 80:80 --detach nginx**

# Run container by giving user defined name

**docker container run --publish 80:80 --name webhost--detach nginx**

# To list the running containers

**docker container ls**

**or**

**docker container ps**

#To list all the containers.

**docker container ls -a**

# To check the logs for the container

**docker container logs “container\_id or container\_name”**

#To find the processes running inside the container

**docker container top “container\_id or container\_name”**

#To remove all containers (running and stopped)

**docker container rm container\_id1 container\_id2**

# To stop running docker containers.

**docker container stop container\_id1 container\_id2**

#To remove containers forcefully

**docker container rm -f container\_id1 container\_id2(**This will remove running containers as well)

#To check performance stats inside container

**docker container stats**

# To check container configuration details

**docker container inspect**

# To check all processes running inside container

**docker container top**

# Login to container shell

**docker container -it nginx bash**

#Login to container when its running

**docker container exec -it nginx bash**

Network commands:

#To check the port opened for the container.

**docker container port container\_name**

#To find ip address of container

**docker container inspect –format ‘{{ .NetworkSettings.IPAddress }}’ container\_name**

#To list Docker network

**docker network ls**

#To see details of network

**docker network inspect**

**#To create new network**

docker network create –driver

#Create new container in newly created network

**Docker container run --name myapp --network mynet -d nginx**

# Connect network to running container

**Docker network connect network\_id container\_id**

# Disconnect network to running container

**Docker network disconnect network\_id container\_id**

Named volume in docker run:

docker container run -d –name mysql -e MYSQL\_ALLOW\_EMPY\_PASSWORD=true -v mysql\_data:/var/lib/mysql mysql

#compose commands.

docker-compose up (Start containers in frontend

docker-compose up -d (Run containers in backend)

docker-compose stop (Only stop containers)

docker-compose down (Stop and remove containers)

docker-compose down –rmi (Remove docker containers plus images)