Install Package and start service
dnf install docker
systemctl restart docker
systemctl enable docker
docker ps
docker ps -a

docker run hello-world
docker kill
docker ps -l #→ last exited
docker ps
docker images
docker rm
docker rmi

docker run -it --rm --name ubuntu ubuntu

cat /etc/lsb-release
uname -r

cat /etc/fedora-release
uname -r

Modify container form within it

docker commit container-id
Docker images
Docker tag image-id my-image
Docker commit container-id image-tag
Docker commit container-id image-tag:v1.1
Docker images

Docker save image-name -o image-name.tar
Docker load -i image-name.tar
Docker images

Tar xvf image-name.tar
–or–
Dnf instal archivemount
Archivemount image-name.tar mountpoint
Chroot mountpoint

Docker run httpd
docker run -it --rm -d httpd
Curl ip of container
Firefox ip of host
Docker run -p 80:80 httpd
docker run -it --rm -d -p 80:80 httpd
Firefox ip of host

Docker run -p 80 httpd
Docker ports httpd-container-id

Docker network ls
Docker network create my-net-1
Docker run –rm -ti –net my-net-1 –name my-server-1 ubuntu
Create containers in different network and see they can not talk to each other

docker run --rm -ti -v /root/data/:/data:z --name fedora fedora bash

Share volumes among two containers
docker run --rm -ti -v /data --name fedora-1 fedora bash
docker run --rm -ti --volumes-from fedora-1 --name fedora-2 fedora

Dockerfile

From fedora
Run echo “Dockerfile demo”
CMD echo “Hello World”

Docker build -t new .

Docker run –rm -ti ubuntu sleep 5

Docker logs container-name