<https://docs.docker.com/get-started/part3/>

# docker ps

# docker info

# docker run

# docker –version

# docker image ls

# docker container ls -all

# docker-machine ip

# docker run -p 4000:80 friendlyhello

# docket container stop *container\_ID*

# docker login

# docker tag image username/repository:tag

# docker image

# docker push username/repository:tag

#docker run -p 4000:80 username/repository

## List Docker CLI commands

docker

docker container --help

## Display Docker version and info

docker --version

docker version

docker info

## Execute Docker image

docker run hello-world

## List Docker images

docker image ls

## List Docker containers (running, all, all in quiet mode)

docker container ls

docker container ls --all

docker container ls -aq

**Dockerfile**

# Use an official Python runtime as a parent image

FROM python:2.7-slim

# Set the working directory to /app

WORKDIR /app

# Copy the current directory contents into the container at /app

ADD . /app

# Install any needed packages specified in requirements.txt

RUN pip install --trusted-host pypi.python.org -r requirements.txt

# Make port 80 available to the world outside this container

EXPOSE 80

# Define environment variable

ENV NAME World

# Run app.py when the container launches

CMD ["python", "app.py"]

docker build -t friendlyhello . # Create image using this directory's Dockerfile

docker run -p 4000:80 friendlyhello # Run "friendlyname" mapping port 4000 to 80

docker run -d -p 4000:80 friendlyhello # Same thing, but in detached mode

docker container ls # List all running containers

docker container ls -a # List all containers, even those not running

docker container stop <hash> # Gracefully stop the specified container

docker container kill <hash> # Force shutdown of the specified container

docker container rm <hash> # Remove specified container from this machine

docker container rm $(docker container ls -a -q) # Remove all containers

docker image ls -a # List all images on this machine

docker image rm <image id> # Remove specified image from this machine

docker image rm $(docker image ls -a -q) # Remove all images from this machine

docker login # Log in this CLI session using your Docker credentials

docker tag <image> username/repository:tag # Tag <image> for upload to registry

docker push username/repository:tag # Upload tagged image to registry

docker run username/repository:tag # Run image from a registry