-------------- Day 1 -------------------

$ export PS1='\n$PWD> '

/home/docker> ps -ef | grep dockerd

/home/docker> ps -ef | grep localkube

/home/docker> which docker

/bin/docker

/home/docker> docker version

/home/docker> docker container ls

/home/docker> docker container ls | grep -v k8s

/home/docker> docker container run nginx

/home/docker> docker container run -d nginx

/home/docker> docker container start a662d488366d

/home/docker> docker container stop a662d488366d

/home/docker> docker container rm a662d488366d

/home/docker> docker container prune

/home/docker> docker container inspect ab8fcfe35a98

/home/docker> curl "172.17.0.23":80

/home/docker> docker container run -d -p 8080:80 nginx

/home/docker> docker container exec 12f83abd570b ls

--------------------- Day 2 ----------------------

/home/docker> docker container run -d alpine

/home/docker> docker container run -d alpine ping -c20 google.com

/home/docker> docker container logs 347f9156b72b

/home/docker> docker container run -it alpine sh

/ # apk update

/ # apk add apache2

/ # ps

/ # httpd

/ # ps

/ # exit

/home/docker> docker container ls -a | grep -v k8s

/home/docker> docker container commit a1fda9d5c5c7 al-apache

/home/docker> docker container prune

/home/docker> docker container run -d al-apache

/home/docker> docker container ls -a | grep -v k8s

/home/docker> docker container ls -a | grep -v k8s

/home/docker> docker container run -it al-apache sh

/ # ps

/ # kill -9 6 7 8 9 10 11

/ # ps

/ # httpd -D FOREGOUND

/ # ps

/ # kill - 9 15 16 17 18 19 20

/ # kill -9 15 16 17 18 19 20

/ # httpd -D FOREGROUND

# exit

/home/docker> docker container run -d -p 9090:80 al-apache httpd -D FOREGROUND

/home/docker> docker container ls | grep -v k8

/home/docker> docker image ls al-apache

/home/docker> docker image ls| grep al-ap

/home/docker> docker image rm -f al-ap

/home/docker> docker container ls

/home/docker> docker image ls

/home/docker> docker image ls nginx

/home/docker> docker image ls alpine

/home/docker> docker image history alpine

/home/docker> docker image history nginx

/home/docker> docker image ls alpine

/home/docker> docker image ls nginx

/home/docker> docker image pull nginx

/home/docker> docker image ls nginx

/home/docker> docker image pull nginx:1

/home/docker> docker image ls nginx

/home/docker> docker image ls

/home/docker> docker image ls nginx

/home/docker> mkdir al-apache

/home/docker> cd al-apache/

/home/docker/al-apache> touch Dockerfile

/home/docker/al-apache> vi Dockerfile

/home/docker/al-apache>

/home/docker/al-apache> cat Dockerfile

FROM alpine

RUN apk update

RUN apk add apache2

CMD httpd -D FOREGROUND

/home/docker/al-apache> docker build -f Dockerfile -t al-apache:latest -t al-apache:1 .

/home/docker/al-apache> docker image ls al-apache

/home/docker/al-apache> docker build --no-cache -f Dockerfile -t al-apache:latest -t al-apache:1 .

/home/docker/al-apache> docker image ls al-apache

/home/docker/al-apache> docker image history al-apache:1

/home/docker/al-apache> docker image build --pull -t al-apache:latest -t al-apache:1

/home/docker/al-apache> docker image ls -a | grep 0ef4a7bceb92

/home/docker/al-apache> cd ..

/home/docker> docker image build --pull -t al-apache:latest -t al-apache:1 al-apache

/home/docker> cd al-apache/

/home/docker/al-apache> ls

|  |
| --- |
| /home/docker/al-apache> cat Dockerfile |
| FROM alpine |
| RUN apk update |
| RUN touch /tmp/f1.txt |
| RUN apk add apache2 |
| CMD httpd -D FOREGROUND |

/home/docker/al-apache> docker container ls -a | grep -v k8s

/home/docker/al-apache> docker container exec 51a3de209869 ls /var/www/localhost/htdocs

/home/docker/al-apache> docker container exec 51a3de209869 cat /var/www/localhost/htdocs/index.html

/home/docker/al-apache> vi mypage.html

/home/docker/al-apache> ls

Dockerfile mypage.html

/home/docker/al-apache> cd ..

/home/docker> mkdir app

/home/docker> cd app

/home/docker/app> ls

/home/docker/app> vi Dockerfile

/home/docker/app> ls

Dockerfile

/home/docker/app> mv ../al-apache/mypage.html .

/home/docker/app> ls

Dockerfile mypage.html

/home/docker/app>

/home/docker/app> cat Dockerfile

FROM al-apache

COPY mypage.html /var/www/localhost/htdocs

/home/docker/app> cat mypage.html

/home/docker/app> rm mypage.html

/home/docker/app> ls

Dockerfile

/home/docker/app> docker image build -t app:latest -t app:1 .

/home/docker/app> cat Dockerfile

FROM al-apache

COPY mypage.html /var/www/localhost/htdocs

/home/docker/app> cat mypage.html

<h1>My Code</h1>

/home/docker/app> docker image build -t app:latest -t app:1 .

/home/docker/app> docker image history alpine

/home/docker/app> docker image history al-apache

/home/docker/app> docker image history app

/home/docker/app> cd ..

/home/docker> cd al-apache/

/home/docker/al-apache> cat Dockerfile

FROM alpine

RUN apk update

RUN touch /tmp/f1.txt

RUN apk add apache2

CMD httpd -D FOREGROUND

/home/docker/al-apache> vi Dockerfile

/home/docker/al-apache> cat Dockerfile

FROM alpine:3.9

RUN apk update

RUN touch /tmp/f1.txt

RUN apk add apache2

CMD httpd -D FOREGROUND

/home/docker/al-apache> cd ..

/home/docker> docker image ls app

/home/docker> docker container run -d -p 9091:80 app:1

/home/docker> mkdir pinger

/home/docker> cd pinger/

/home/docker> cat Dockerfile

FROM alpine

CMD ping -c4 google.com

/home/docker/pinger> docker build -t pinger .

/home/docker/pinger> docker container run pinger

/home/docker/pinger> docker container ls -a | grep -v k8s

/home/docker/pinger> docker container run --rm pinger/home/docker/pinger> cat Dockerfile

/home/docker/pinger> cat Dockerfile

FROM alpine

ENTRYPOINT ["ping", "-c4"]

CMD ["google.com"]