# 1.1

```
tuomos-MacBook-Pro:containers tuomomehtala$ docker stop 2e
Error response from daemon: Multiple IDs found with provided prefix: 2e
tuomos-MacBook-Pro:containers tuomomehtala$ docker ps
CONTAINER ID        IMAGE              COMMAND              CREATED
        STATUS              PORTS              NAMES
2e60d8c4e357        postgres           "docker-entrypoint.s…"  5 minutes a
go        Up 5 minutes        5432/tcp              recursing_torvalds
d2f5463e1f29        nginx              "nginx -g 'daemon of…"  7 minutes a
go        Up 7 minutes        80/tcp                eager_murdock
tuomos-MacBook-Pro:containers tuomomehtala$ docker stop 2e6
2e6
tuomos-MacBook-Pro:containers tuomomehtala$ docker ps -a
CONTAINER ID        IMAGE              COMMAND              CREATED
        STATUS                  PORTS              NAMES
2e5e921d313c        mongo              "docker-entrypoint.s…"  2 minutes a
go        Exited (0) 34 seconds ago                quirky_mahavira
2e60d8c4e357        postgres           "docker-entrypoint.s…"  5 minutes a
go        Exited (0) 9 seconds ago                 recursing_torvalds
d2f5463e1f29        nginx              "nginx -g 'daemon of…"  7 minutes a
go        Up 7 minutes            80/tcp             eager_murdock
c8d4f3ee3c25        nginx              "nginx -g 'daemon of…"  33 minutes
ago        Exited (0) 31 minutes ago                ecstatic_mcnulty
tuomos-MacBook-Pro:containers tuomomehtala$
```

## 1.2

```
● ● ●                containers — -bash — 76×23
REPOSITORY            TAG                  IMAGE ID          CREATED
    SIZE
nginx                latest               e445ab08b2be      2 weeks ago
    126MB
[tuomos-MacBook-Pro:containers tuomomehtala$ docker rmi nginx          ]
Untagged: nginx:latest
Untagged: nginx@sha256:eb3320e2f9ca409b7c0aa71aea3cf7ce7d018f03a372564dbdb02
3646958770b
Deleted: sha256:e445ab08b2be8b178655b714f89e5db9504f67defd5c7408a00bade679a5
0d44
Deleted: sha256:4f71ea073b438369b87f20ad9cc8aca17efcd777a98ef6a396cebaa84355
e46c
Deleted: sha256:1758ea933cbf0900bc59fa45893440675d66d8848c3595f6f6ae9cdac34e
caf0
Deleted: sha256:d8a33133e477d367977987129313d9072e0ec80894ed4c52c2d88186f354
c29a
[tuomos-MacBook-Pro:containers tuomomehtala$ docker ps -a             ]
CONTAINER ID         IMAGE                COMMAND           CREATED
    STATUS               PORTS                NAMES
[tuomos-MacBook-Pro:containers tuomomehtala$ docker images            ]
REPOSITORY            TAG                  IMAGE ID          CREATED
    SIZE
tuomos-MacBook-Pro:containers tuomomehtala$ ▐
```

## 1.3

```
Docker run -it devopsdockeruh/pull_exercise
Enter code: basics
```

Secret message: "This is the secret message"

## 1.4

docker run -d —name kello devopsdockeruh/exec_bash_exercise
```
docker exec -it kello tail -f logs.txt
```

```
Secret message is:
"Docker is easy"
```

# 1.5

```
docker run -d -it --name linukka ubuntu:16.04 bash

docker exec -it linukka apt-get update

docker exec -it linukka apt-get install curl wget

docker exec -it linukka sh -c 'echo "Input website:"; read website; echo
"Searching.."; sleep 1; curl http://$website;'
```

# 1.6

Dockerfile in folder 1.6/

```
 docker build -t kello .
 docker run kello
```

```
"In another session: docker kill <container id>"
```

# 1.7

Dockerfile in folder 1.7/

```
docker build -t curler .

docker run -it curler
```

# 1.8

command: docker run -v $(pwd)/usr/app/logs.txt:/users/tuomomehtala/documents/docker/1.8/
log.txt devopsdockeruh/first_volume_exercise

This created the logs into :

/users/tuomomehtala/documents/docker/1.8/usr/app/logs.txt

# 1.9

```
docker run -p 3000:80 devopsdockeruh/ports_exercise
```

# 1.10

Docker file at ./1.10/

```
docker build -t appi .
docker run -p 3000:5000 appi
```

*Application visible in localhost:3000*


# 1.11

Dockerfile at ./1.11/

```
docker build -t appi2 .
docker run  -v $(pwd)/Documents/docker/1.11/logs.txt:/node/app/logs.txt
-p 8000:8000 appi2
```

*Application visible in localhost:8000 "ports configured correctly,
generated message in logs.txt"*


# 1.12

```
Dockerfile at: 1.12/front/
docker run -it --name frontE -p 5000:5000 front
```

```
Dockerfile at 1.12/back/
docker run -p 8000:8000 --name backend -it back
```


# 1.13
```
Dockerfile at 1.13/
docker build -t javaspring .
docker run -it -p 8080:8080 --name JavaSpring javaspring
```

```
Application at http://localhost:8080
```


# 1.14
Dockerfile at 1.14/
docker build -t ruby .
```
docker run -it -p 3000:3000 --name Ruby ruby
```


# 1.15
https://cloud.docker.com/repository/registry-1.docker.io/tuomom/unicafe

# 1.16

https://heroku-docker1.herokuapp.com/

# 2.1

docker-compose.yml at /2.1/

# 2.2

docker-compose.yml at /2.2/

# 2.3

docker-compose.yml at /2.3/

# 2.4

command:
`docker-compose up -d --scale compute=3`

# 2.5
Docker-compose at /2.5/

# 2.6
Docker-compose at /2.6/

# 2.7
Docker-compose at /2.7

# 2.8
Docker compose at /2.8

# 2.9

Docker compose at /2.9

# 2.10
Docker compose at /2.10
Docker files at /2.10/back & /2.10/front