**Step 1**

Check if your Docker host has any images in its local repository with the following command.

$ docker image ls

```
Luiss-MacBook-Air:log luiscastro$ docker image ls
REPOSITORY                    TAG          IMAGE ID        CREATED         SIZE
jenkinsci/blueocean           latest       0afc5b7554a7    2 months ago    446MB
docker/dtr                    latest       cefc393578b5    2 months ago    116MB
docker/ucp-controller         2.2.5        dec282961461    3 months ago    38.7MB
docker/ucp-auth               2.2.5        77ea720f49e5    3 months ago    20.2MB
docker/ucp-metrics            2.2.5        52d72808bc22    3 months ago    79.6MB
docker/ucp-hrm                2.2.5        0293341619b8    3 months ago    7.14MB
docker/ucp-etcd               2.2.5        d32c8846a3f2    3 months ago    29.6MB
docker/ucp-dsinfo             2.2.5        6c2fed956e1f    3 months ago    538MB
docker/ucp-compose            2.2.5        0cf3f142e6ca    3 months ago    39.6MB
docker/ucp-auth-store         2.2.5        557b0fd28fe4    3 months ago    60.5MB
docker/ucp-cfssl              2.2.5        b8fa34c4e29d    3 months ago    12.2MB
docker/ucp-agent              2.2.5        bb262347bd9f    3 months ago    20.2MB
docker/ucp                    2.2.5        e00937d01b1a    3 months ago    20MB
docker/ucp-swarm              2.2.5        067dfb5c7869    3 months ago    21.7MB
registry                      2            d1fd7d86a825    4 months ago    33.3MB
lcastro1981/dockerbook        v1           3fd9065eaf02    4 months ago    4.15MB
alpine                        latest       3fd9065eaf02    4 months ago    4.15MB
hello-world                   latest       f2a91732366c    5 months ago    1.85kB
dockercloud/registration      latest       0c7bdecbf645    9 months ago    19.5MB
dockercloud/server-proxy      latest       a3dad8c82751    9 months ago    16.6MB
java                          8-jdk-alpine 3fd9dd82815c    14 months ago   145MB
tutum/ntpd                    latest       545be517f7dd    2 years ago     5.25MB
```

**Step 2**

Use the following commands to pull some images and then check their sizes

$ docker image pull ubuntu:latest

$ docker image pull alpine:latest

$ docker image pull mongo:3.3.11

$ docker image ls

```
$ docker image ls

REPOSITORY      TAG      IMAGE ID       CREATED        SIZE
ubuntu          latest   ebcd9d4fca80   3 days ago     118MB
alpine          latest   02674b9cb179   8 days ago     3.99MB
```
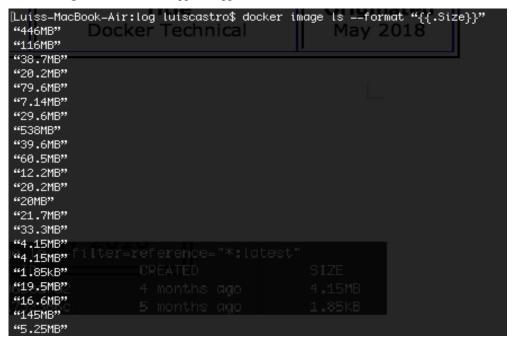
## Step 3

Using image filters

**$ docker image ls --filter=reference="*:latest"**

```
Luiss-MacBook-Air:log luiscastro$ docker image ls --filter=reference="*:latest"
REPOSITORY          TAG              IMAGE ID          CREATED          SIZE
alpine              latest           3fd9065eaf02      4 months ago     4.15MB
hello-world         latest           f2a91732366c      5 months ago     1.85kB
```

**$ docker image ls --format "{{.Size}}"**

```
Luiss-MacBook-Air:log luiscastro$ docker image ls --format "{{.Size}}"
"446MB"
"116MB"
"38.7MB"
"20.2MB"
"79.6MB"
"7.14MB"
"29.6MB"
"538MB"
"39.6MB"
"60.5MB"
"12.2MB"
"20.2MB"
"20MB"
"21.7MB"
"33.3MB"
"4.15MB"
"4.15MB"
"1.85kB"
"19.5MB"
"16.6MB"
"145MB"
"5.25MB"
```

## Step 4

Search Docker Hub

**$ docker search alpine**

## Step 5

Image layers

**$docker image inspect alpine:latest**

**$docker history alpine**

```
Luiss-MacBook-Air:log luiscastro$ docker history alpine
IMAGE            CREATED          CREATED BY                                      SIZE       COMMENT
3fd9065eaf02     4 months ago     /bin/sh -c #(nop)  CMD ["/bin/sh"]              0B
<missing>        4 months ago     /bin/sh -c #(nop) ADD file:093f0723fa46f6cdb... 4.15MB
```

**Step 6**

Remove an image

**$docker image rm alpine:latest**

```
$ docker image rm alpine:latest
Untagged: alpine:latest
Untagged: alpine@sha256:c0537...7c0a7726c88e2bb7584dc96
Deleted: sha256:02674b9cb179d...abff0c2bf5ceca5bad72cd9
Deleted: sha256:e154057080f40...3823bab1be5b86926c6f860
```