

We have containers and an image that are no longer in use and are taking up space.

\$docker ps -a

```
a@Rabin-MacBookAir ~ % docker ps -a
CONTAINER ID   IMAGE     COMMAND                  CREATED    STATUS      PORTS      NAMES
c9e6c4b636a5   nginx    "/docker-entrypoint..." 4 hours ago Up 4 hours      80/tcp      nginx-container-3
1c99a3e4cce0   nginx    "/docker-entrypoint..." 4 hours ago Exited (0) 4 hours ago      nginx-container-2
6dae55a2e0c0   nginx    "/docker-entrypoint..." 4 hours ago Exited (0) 4 hours ago      nginx-container-1
```

\$docker image ls

```
a@Rabin-MacBookAir ~ % docker image ls
REPOSITORY      TAG         IMAGE ID      CREATED      SIZE
nginx            latest      7383c266ef25  2 days ago   188MB
docker/welcome-to-docker latest      c1f619b6477e  5 months ago 18.6MB
```

Removing unwanted containers and images

```
a@Rabin-MacBookAir ~ % docker image prune
WARNING! This will remove all dangling images.
Are you sure you want to continue? [y/N] y
Total reclaimed space: 0B
a@Rabin-MacBookAir ~ % docker container prune
WARNING! This will remove all stopped containers.
Are you sure you want to continue? [y/N] y
Deleted Containers:
1c99a3e4cce0d411d6e3abf579ab4159b3397a6b67b8b739b02cdad10fa1ee3e
6dae55a2e0c046e101ef651a98cf3b87dabbd63622d26ca4bc56b204769d4938
Total reclaimed space: 2.186kB
```

Now we have used and running image and container

```
a@Rabin-MacBookAir ~ % docker image ls
REPOSITORY      TAG         IMAGE ID      CREATED      SIZE
nginx            latest      7383c266ef25  2 days ago   188MB
docker/welcome-to-docker latest      c1f619b6477e  5 months ago 18.6MB
a@Rabin-MacBookAir ~ % docker ps -a
CONTAINER ID   IMAGE     COMMAND                  CREATED    STATUS      PORTS      NAMES
c9e6c4b636a5   nginx    "/docker-entrypoint..." 4 hours ago Up 4 hours      80/tcp      nginx-container-3
```

Now removing running container

```
a@Rabin-MacBookAir ~ % docker container stop c9
c9
a@Rabin-MacBookAir ~ % docker container rm c9
c9
a@Rabin-MacBookAir ~ % docker container ls
CONTAINER ID   IMAGE     COMMAND                  CREATED    STATUS      PORTS      NAMES
```

Removing image

```
a@Rabin-MacBookAir ~ % docker image rm nginx
Untagged: nginx:latest
Untagged: nginx@sha256:ed6d2c43c8fbc3eaa44c9dab6d94cb346234476230dc1681227aa72d07181ee
Deleted: sha256:7383c266ef252ad70806f3072ee8e63d2a16d1e6bafa6146a2da867fc7c41759
Deleted: sha256:284239a88aa2a215c3ab52265554c83612e73efea682954be87982e370c98f49
Deleted: sha256:05092aeb22646fda43f7e25fc418b7e21942112b84bc0f5b2466f6206372e099
Deleted: sha256:04de068faa51d09eb7e1e52a4911ffc894d2ab2640db17e77eab84ca22cada85
Deleted: sha256:08b0ce47715b739cb30d253768b913e0d81a466f34b84addf24dc78ae61579e8
Deleted: sha256:90f1c22432ddcc4e1f6cd933c964e71a8f6bdd39b035f60cf4b8153820db7b5
Deleted: sha256:0a9e7b5b5ef53ef025d0cb5798a2a49aa52289a5d9ad86687b428c19a63a3e22
Deleted: sha256:52ec5a4316fadc09a4a51f82b8d7b66ead0d71bea4f75e81e25b4094c4219061
a@Rabin-MacBookAir ~ % docker image ls
REPOSITORY      TAG         IMAGE ID      CREATED      SIZE
```