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Exercise: Exercise: Base Image Maintenance and Cleanup

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1. List all currently install Docker images. If you do not have at least three Docker base images at this point, please pull down other Docker images and/or follow the other exercises in this tutorial.

```
user@linuxacademy:~$ docker images
```

REPOSITORY	TAG	IMAGE ID
CREATED		VIRTUAL SIZE
mycustomimg/withservices	v1	
dcfdd130c812	30 hours ago	506.9 MB
newcentos	withapache	
18bd1fc4d60f	2 days ago	480.6 MB
ubuntu	latest	
91e54dfb1179	4 days ago	188.4 MB
ubuntu	trusty	
91e54dfb1179	4 days ago	188.4 MB
ubuntu	trusty-20150814	
91e54dfb1179	4 days ago	188.4 MB
ubuntu	14.04	
91e54dfb1179	4 days ago	188.4 MB
ubuntu	14.04.3	
91e54dfb1179	4 days ago	188.4 MB
centos	6	
a005304e4e74	9 weeks ago	203.1 MB
centos	centos6	
a005304e4e74	9 weeks ago	203.1 MB

2. Execute the command to remove a base image that you have previously created a container from and note the resulting message.

```
user@linuxacademy:~$ docker rmi centos:6
```

```
Error response from daemon: Conflict, cannot delete  
a005304e4e74 because the container bad607059560 is using  
it, use -f to force
```

```
FATA[0000] Error: failed to remove one or more images
```

3. Run the appropriate command to remove the container that Step #2 indicated is preventing the deletion of that base image.

```
user@linuxacademy:~$ docker ps -a
```

CONTAINER ID	IMAGE	COMMAND
CREATED	STATUS	
PORTS	NAMES	
bad607059560	centos:6	"/bin/bash"
2 minutes ago	Exited (0) About a minute ago	
	insane_tesla	
a8eccaa97e32	ubuntu:14.04	"/bin/bash"
29 minutes ago	Exited (0) 28 minutes ago	
	my_container	
b237d65fd197	centos:6	"/bin/bash"
2 days ago	Exited (0) 2 days ago	
	furious_rosalind	

```
user@linuxacademy:~$ docker rm insane_tesla
```

insane_tesla

```
user@linuxacademy:~$ docker ps -a
```

CONTAINER ID	IMAGE	COMMAND	PORTS
CREATED	STATUS		
	NAMES		
a8eccaa97e32	ubuntu:14.04	"/bin/bash"	
29 minutes ago	Exited (0) 28 minutes ago		
	my_container		
b237d65fd197	centos:6	"/bin/bash"	
2 days ago	Exited (0) 2 days ago		
	furious_rosalind		

4. List all previously run containers and remove all of them one at a time. Verify that the command to list stopped containers shows nothing before continuing.

```
user@linuxacademy:~$ docker ps -a
```

CONTAINER ID	IMAGE	COMMAND	PORTS
CREATED	STATUS		
NAMES			

a8eccaa97e32	ubuntu:14.04	"/bin/bash"	
30 minutes ago	Exited (0) 29 minutes ago		
my_container			

b237d65fd197	centos:6	"/bin/bash"	
2 days ago	Exited (0) 2 days ago		
furious_rosalind			

```
user@linuxacademy:~$ docker rm my_container && docker rm  
furious_rosalind
```

```
my_container
```

```
furious_rosalind
```

```
user@linuxacademy:~$ docker ps -a
```

CONTAINER ID	IMAGE	COMMAND	PORTS
CREATED	STATUS		
NAMES			

5. Rerun the command executed in Step #2 and then list the base images on your system.

```
user@linuxacademy:~$ docker images
```

REPOSITORY	TAG	IMAGE ID
CREATED		VIRTUAL SIZE
mycustomimg/withservices	v1	
dcfdd130c812	30 hours ago	506.9 MB
newcentos	withapache	
18bd1fc4d60f	2 days ago	480.6 MB
ubuntu	14.04	
91e54dfb1179	4 days ago	188.4 MB
ubuntu	14.04.3	
91e54dfb1179	4 days ago	188.4 MB
ubuntu	latest	
91e54dfb1179	4 days ago	188.4 MB
ubuntu	trusty	
91e54dfb1179	4 days ago	188.4 MB
ubuntu	trusty-20150814	
91e54dfb1179	4 days ago	188.4 MB
centos	6	
a005304e4e74	9 weeks ago	203.1 MB

```
user@linuxacademy:~$ docker rmi centos:6
```

```
Untagged: centos:6
```

```
user@linuxacademy:~$ docker images
```

REPOSITORY	TAG	IMAGE ID
CREATED		VIRTUAL SIZE
mycustomimg/withservices	v1	
dcfdd130c812	30 hours ago	506.9 MB
newcentos	withapache	
18bd1fc4d60f	2 days ago	480.6 MB
ubuntu	latest	
91e54dfb1179	4 days ago	188.4 MB

ubuntu	trusty	
91e54dfb1179	4 days ago	188.4 MB
ubuntu	trusty-20150814	
91e54dfb1179	4 days ago	188.4 MB
ubuntu	14.04	
91e54dfb1179	4 days ago	188.4 MB
ubuntu	14.04.3	
91e54dfb1179	4 days ago	188.4 MB

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