

S_Docker_01: Lab 1

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MAY 2023
DOCKER – DEVOPS



S_Docker_01: Lab 1:

- 1- check the docker version installed
- 2- run docker container for hello-world
- 3- run docker container redis in detached mode
- 4- try to stop the running redis container
- 4- check the present container on the host
- 5- check the ID of the redis container
- 6- try to run a container from nginx:alpine and delete image
- 7- delete the image redis
- 8- pull image from nginx:1.14-alpine Run an instance of the ubuntu image to run the sleep 1000 command at startup. Exec into the container and touch a file called test-file
- 9- Run a container with the nginx:alpine image and name it web
- 10- delete all the images from the host

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Activities Terminal May 27 6:44 PM kdawoud@k: -
80 docker -v
81 docker run hello-world
82 docker run -d redis
83 docker run -d redis
84 docker ps
85 docker stop f817893bd2b7
86 docker ps
87 docker ps -a
88 docker run nginx:alpine
89 docker ps
90 docker ps -a
91 docker rm 668a74ee0008
92 docker ps -a
93 docker images
94 docker rmi fe7eda78a8dc
95 docker rmi 0ec8ab59a35f
96 docker ps
97 docker stop 0ec8ab59a35f
98 docker ps -a
99 docker stop f817893bd2b7
100 docker rmi 0ec8ab59a35f
101 docker rm f817893bd2b7
102 docker rmi 0ec8ab59a35f
103 docker images
104 docker run -d nginx:1.14-alpine
105 docker run -d nginx:1.14-alpine
106 docker ps
107 docker stop 395208af763b
108 docker rm 395208af763b
109 docker images
110 docker images
111 docker rmi 8a2fb25a19f5
112 docker pull nginx:1.14-alpine
113 docker run -d ubuntu sleep 1000
114 docker ps
115 docker ps
116 docker exec -it b071ad15539f /bin/bash
117 docker run -d --name web nginx:alpine
118 docker ps
119 docker images
120 docker rmi fe7eda78a8dc
121 docker ps -a
122 docker rm 5acfa69c5f38
123 docker stop 5acfa69c5f38
124 docker rm 5acfa69c5f38
125 docker stop b071ad15539f
126 docker rm b071ad15539f
127 docker stop d8662cb9162b
128 docker rm d8662cb9162b
129 docker rmi fe7eda78a8dc
130 docker rmi 9c7a54a9a43c
131 docker rmi 3b418d7b466a
132 docker rmi 8a2fb25a19f5
133 docker ps -a
134 docker rm 6276d049a487
135 docker rm 4e8119b96425
136 docker rm fa6c1adb044 c5ccbba8349b 088957a1913a b0dc17626f6
137 docker images
138 docker rmi 9c7a54a9a43c 3b418d7b466a
139 docker images
140 docker ps -a
141 history
kdawoud@k:~$
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Activities Terminal May 27 6:51 PM kdawoud@k: -
kdawoud@k:~$ docker -v
Docker version 24.0.2, build cb74dfc
kdawoud@k:~$ docker run hello-world
Hello from Docker!
This message shows that your installation appears to be working correctly.

To generate this message, Docker took the following steps:
1. The Docker client contacted the Docker daemon.
2. The Docker daemon pulled the "hello-world" image from the Docker Hub.
   (and54)
3. The Docker daemon created a new container from that image which runs the
   executable that produces the output you are currently reading.
4. The Docker daemon streamed that output to the Docker client, which sent it
   to your terminal.

To try something more ambitious, you can run an Ubuntu container with:
$ docker run -it ubuntu bash

Share images, automate workflows, and more with a free Docker ID:
https://hub.docker.com/

For more examples and ideas, visit:
https://docs.docker.com/get-started/

kdawoud@k:~$ docker run -d redis
Unable to find image 'redis:latest' locally
docker: Error response from daemon: pull access denied for redis, repository does not exist or may require 'docker login': denied: requested access to the resource is denied.
See 'docker run --help'.
kdawoud@k:~$ docker run -d redis
Unable to find image 'redis:latest' locally
latest: Pulling from library/redis
f03b40093957: Pull complete
0db26c5e8435: Pull complete
37e84c7a626f: Pull complete
806c192e0375: Pull complete
08769960aa59: Pull complete
635074d0c0d5: Pull complete
Digest: sha256:f9724694ab97280d2255ff2b69642dfba7f34c8e41aaf0a59d33d10d8a42687
Status: Downloaded newer image for redis:latest
f817893bd2b7b0c8728dab8ec358bf27abfbd6fc0d08ac1f1f89ee93b11a56
kdawoud@k:~$ docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED              STATUS              PORTS              NAMES
f817893bd2b7   redis    "docker-entrypoint.s..." 16 seconds ago      Up 15 seconds      6379/tcp           nice_pascal
kdawoud@k:~$ docker stop f817893bd2b7
f817893bd2b7
kdawoud@k:~$ docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED              STATUS              PORTS              NAMES
kdawoud@k:~$ docker ps -a
CONTAINER ID   IMAGE     COMMAND                  CREATED              STATUS              PORTS              NAMES
f817893bd2b7   redis    "docker-entrypoint.s..." About a minute ago   Exited (0) 10 seconds ago              nice_pascal
d8662cb9162b   hello-world "hello"                2 minutes ago       Exited (0) 2 minutes ago              quirky_vaughan
6276d049a487   ubuntu    "sleep 100"             2 hours ago         Exited (137) 2 hours ago              romantic_edison
4e8119b96425   ubuntu    "sleep100"              2 hours ago         Created                                      clever_mendel
fa6c1adb044    hello-world "sleep100"              2 hours ago         Created                                      mystifying_spence
```

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Activities Terminal May 27 6:53 PM
kdawoud@k: ~

kdawoud@k:~$ docker run nginx:alpine
Unable to find image 'nginx:alpine' locally
alpine: Pulling from library/nginx
f56be85fc22e: Pull complete
97c80f11709c: Pull complete
afb503c1f124: Pull complete
f8c948b732dd: Pull complete
d021b0a29710: Pull complete
c3dcca3af197: Pull complete
4aacde79cec4: Pull complete
Digest: sha256:2e776a66a3556f001aba13431b26e448fe8acba277bf93d2ab1a785571a46d90
Status: Downloaded newer image for nginx:alpine
/docker-entrypoint.sh: /docker-entrypoint.d/ is not empty, will attempt to perform configuration
/docker-entrypoint.sh: Looking for shell scripts in /docker-entrypoint.d/
/docker-entrypoint.sh: Launching /docker-entrypoint.d/10-listen-on-ipv6-by-default.sh
10-listen-on-ipv6-by-default.sh: info: Getting the checksum of /etc/nginx/conf.d/default.conf
10-listen-on-ipv6-by-default.sh: info: Enabled listen on IPv6 in /etc/nginx/conf.d/default.conf
/docker-entrypoint.sh: Launching /docker-entrypoint.d/20-envsubst-on-templates.sh
/docker-entrypoint.sh: Launching /docker-entrypoint.d/30-tune-worker-processes.sh
/docker-entrypoint.sh: Configuration complete; ready for start up
2023/05/27 15:23:29 [notice] 1#1: using the "epoll" event method
2023/05/27 15:23:29 [notice] 1#1: nginx/1.25.0
2023/05/27 15:23:29 [notice] 1#1: built by gcc 12.2.1 20220924 (Alpine 12.2.1-glt20220924-r4)
2023/05/27 15:23:29 [notice] 1#1: OS: Linux 5.19.8-4-generic
2023/05/27 15:23:29 [notice] 1#1: getrlimit(RLIMIT_NOFILE): 1048576:1048576
2023/05/27 15:23:29 [notice] 1#1: start worker processes
2023/05/27 15:23:29 [notice] 1#1: start worker process 30
2023/05/27 15:23:29 [notice] 1#1: start worker process 31
^C2023/05/27 15:24:28 [notice] 1#1: signal 2 (SIGINT) received, exiting
2023/05/27 15:24:28 [notice] 30#30: exiting
2023/05/27 15:24:28 [notice] 31#31: exiting
2023/05/27 15:24:28 [notice] 30#30: exit
2023/05/27 15:24:28 [notice] 31#31: exit
2023/05/27 15:24:28 [notice] 1#1: signal 17 (SIGCHLD) received from 30
2023/05/27 15:24:28 [notice] 1#1: worker process 30 exited with code 0
2023/05/27 15:24:28 [notice] 1#1: signal 29 (SIGIO) received
2023/05/27 15:24:28 [notice] 1#1: signal 17 (SIGCHLD) received from 31
2023/05/27 15:24:28 [notice] 1#1: worker process 31 exited with code 0
2023/05/27 15:24:28 [notice] 1#1: exit
kdawoud@k:~$ docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS        NAMES
kdawoud@k:~$ docker ps -a
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS        NAMES
660a74ee0008   nginx:alpine   "/docker-entrypoint.s..."   About a minute ago   Exited (0) 32 seconds ago   agltated_cannon
f817093bd2b7   redis         "docker-entrypoint.s..."   4 minutes ago       Exited (0) 3 minutes ago   nice_pascal
d8662cb9162b   hello-world   "/hello"                    5 minutes ago       Exited (0) 5 minutes ago   quirky_vaughan
6276d2494a87   ubuntu        "sleep 100"                 2 hours ago        Exited (137) 2 hours ago   romantic_edison
4e8119b96425   ubuntu        "sleep 100"                 2 hours ago        Created                                clever_mendel
fa6c1adb0f44   hello-world   "sleep 100"                 2 hours ago        Created                                mystifying_spence
c5ccba8349b   hello-world   "sleep 100"                 2 hours ago        Created                                magical_austin
088957a1913a   hello-world   "/hello"                    2 hours ago        Exited (0) 2 hours ago   optimistic_northcutt
b0dc317626f6   hello-world   "/hello"                    3 hours ago        Exited (0) 3 hours ago   quizzical_jang
kdawoud@k:~$ docker rm 660a74ee0008
660a74ee0008
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Activities Terminal May 27 6:55 PM
kdawoud@k: ~

kdawoud@k:~$ docker rm 660a74ee0008
660a74ee0008
kdawoud@k:~$ docker ps -a
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS        NAMES
f817093bd2b7   redis         "docker-entrypoint.s..."   4 minutes ago   Exited (0) 3 minutes ago   nice_pascal
d8662cb9162b   hello-world   "/hello"                    6 minutes ago   Exited (0) 6 minutes ago   quirky_vaughan
6276d2494a87   ubuntu        "sleep 100"                 2 hours ago     Exited (137) 2 hours ago   romantic_edison
4e8119b96425   ubuntu        "sleep 100"                 2 hours ago     Created                                clever_mendel
fa6c1adb0f44   hello-world   "sleep 100"                 2 hours ago     Created                                mystifying_spence
c5ccba8349b   hello-world   "sleep 100"                 2 hours ago     Created                                magical_austin
088957a1913a   hello-world   "/hello"                    2 hours ago     Exited (0) 2 hours ago   optimistic_northcutt
b0dc317626f6   hello-world   "/hello"                    3 hours ago     Exited (0) 3 hours ago   quizzical_jang
kdawoud@k:~$ docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
nginx         alpine    fe7eda78a8dc   2 days ago    41.4MB
redis         latest    0ec8ab59a35f   4 days ago    117MB
hello-world   latest    9c7a549a943c   3 weeks ago   13.3kB
ubuntu        latest    3b410d7b466a   4 weeks ago   77.8MB
kdawoud@k:~$ docker rmi fe7eda78a8dc
Untagged: nginx:alpine
Untagged: nginx:sha256:2e776a66a3556f001aba13431b26e448fe8acba277bf93d2ab1a785571a46d90
Deleted: sha256:fe7eda78a8dc9af72f49cf0a0219e3ace17667baf537f0d4a0ab1bd7f10467
Deleted: sha256:84858bd9f6789f7b03241900b71d132450622291d45d516d85c2f0d87f3299a
Deleted: sha256:48e01130a4fe25c5dcdca0c54b0edf9ec1725ff53972e732736c4523c8e
Deleted: sha256:34325996f3c0e4a4749af90c2ae0895f3b07e530b07a54773c0dbfaad2f39
Deleted: sha256:063d62e474734c802a5b3443a8ee8b365cc914771c6e98f94a8ce003dce96d8
Deleted: sha256:6044cb9ca9f9cb00c1c62653bba1d45e96dc9b5f35323201c52010047cdf
Deleted: sha256:7e6c041bf6dfaff2f3084f510f9ce4803c5c6916554533816cb0774f48bd563f
Deleted: sha256:f1417ff83b319fbdaddd9cd6d8c9c88002dcd75ecf6ec201c8c6894681cf2b5
kdawoud@k:~$ docker rmi 0ec8ab59a35f
Error response from daemon: conflict: unable to delete 0ec8ab59a35f (must be forced) - image is being used by stopped container f817093bd2b7
kdawoud@k:~$ docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS        NAMES
kdawoud@k:~$ docker stop 0ec8ab59a35f
Error response from daemon: No such container: 0ec8ab59a35f
kdawoud@k:~$ docker ps -a
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS        NAMES
f817093bd2b7   redis         "docker-entrypoint.s..."   6 minutes ago   Exited (0) 6 minutes ago   nice_pascal
d8662cb9162b   hello-world   "/hello"                    8 minutes ago   Exited (0) 8 minutes ago   quirky_vaughan
6276d2494a87   ubuntu        "sleep 100"                 2 hours ago     Exited (137) 2 hours ago   romantic_edison
4e8119b96425   ubuntu        "sleep 100"                 2 hours ago     Created                                clever_mendel
fa6c1adb0f44   hello-world   "sleep 100"                 2 hours ago     Created                                mystifying_spence
c5ccba8349b   hello-world   "sleep 100"                 2 hours ago     Created                                magical_austin
088957a1913a   hello-world   "/hello"                    3 hours ago     Exited (0) 3 hours ago   optimistic_northcutt
b0dc317626f6   hello-world   "/hello"                    3 hours ago     Exited (0) 3 hours ago   quizzical_jang
kdawoud@k:~$ docker stop f817093bd2b7
f817093bd2b7
kdawoud@k:~$ docker rmi 0ec8ab59a35f
Error response from daemon: conflict: unable to delete 0ec8ab59a35f (must be forced) - image is being used by stopped container f817093bd2b7
kdawoud@k:~$ docker rm f817093bd2b7
f817093bd2b7
kdawoud@k:~$ docker rmi 0ec8ab59a35f
Untagged: redis:latest
Untagged: redis:sha256:f9724694a0b07288d4255ff2b66642d4fba7f34c0e813afba5043d1d0d8a42687
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Activities Terminal May 27 6:59 PM
kdawoud@k: ~

Deleted: sha256:894f3fad7e6cd7f24e8834ba44b7b73663a85c0eb7740e7ade169e9d8491a4c
Deleted: sha256:a404c54f93a9e88fcd3d3f1e0e39cca427d60145a360962e8f19a1dbf900da9
kdawoud@k:~$ docker pull nginx:1.14-alpine
1.14-alpine: Pulling from library/nginx
bdf02b1b3a05: Pull complete
3d0a573c81ed: Pull complete
8129faeb2eb6: Pull complete
3dc99f521d6f: Pull complete
Digest: sha256:485b610f6ec7ff6c463ced9623314a04ed67e3945b9c08d7e53a47f6d108dc7
Status: Downloaded newer image for nginx:1.14-alpine
docker.io/library/nginx:1.14-alpine
kdawoud@k:~$ docker run -d ubuntu sleep 1000
b071ad15539f6b62ba07ff3f0f09bcae4391bdc225ee12f9d8a1fa65bdb080fc
kdawoud@k:~$ docker ps
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS   NAMES
b071ad15539f   ubuntu   "sleep 1000"   28 seconds ago   Up 27 seconds   vibrant_swirls
kdawoud@k:~$ docker exec -it b071ad15539f /bin/bash
root@b071ad15539f:/# touch test-file
root@b071ad15539f:/# ls
bin  boot  dev  etc  home  lib  lib32  lib64  libx32  media  mnt  opt  proc  root  run  sbin  srv  sys  test-file  usr  var
root@b071ad15539f:/# docker run -d --name web nginx:alpine
bash: docker: command not found
root@b071ad15539f:/# docker run -d --name=web nginx:alpine
bash: docker: command not found
root@b071ad15539f:/# exit
exit
kdawoud@k:~$ docker run -d --name web nginx:alpine
Unable to find image 'nginx:alpine' locally
alpine: Pulling from library/nginx
f56be85fc22e: Pull complete
97c80f11709c: Pull complete
afb503c1f124: Pull complete
f8c948b732dd: Pull complete
d021bba29710: Pull complete
cdcca1af197: Pull complete
4aacde79cec4: Pull complete
Digest: sha256:2e776a66a3556f001ab13431b26e448fe8acba277bf93d2ab1a785571a46d90
Status: Downloaded newer image for nginx:alpine
Sacfa69c5f381cea609cd11c4cb25e42cdf69be08f56e4865713a0641526293
kdawoud@k:~$ docker ps
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS   NAMES
Sacfa69c5f38   nginx:alpine   "/docker-entrypoint..."   7 seconds ago   Up 8 seconds   80/tcp   web
b071ad15539f   ubuntu   "sleep 1000"   3 minutes ago   Up 3 minutes   vibrant_swirls
kdawoud@k:~$ docker images
REPOSITORY    TAG       IMAGE ID       CREATED       SIZE
nginx         alpine   fe7edaf8a8dc   2 days ago   41.4MB
hello-world   latest   9c7a54a9a43c   3 weeks ago   13.3kB
ubuntu        latest   3b418d7b466a   4 weeks ago   77.8MB
nginx         1.14-alpine  8a2fb25a19f5   4 years ago   16MB
kdawoud@k:~$ docker rmi fe7edaf8a8dc
Error response from daemon: conflict: unable to delete fe7edaf8a8dc (cannot be forced) - image is being used by running container Sacfa69c5f38
kdawoud@k:~$ docker ps -a
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Activities Terminal May 27 7:00 PM
kdawoud@k: ~

kdawoud@k:~$ docker images
REPOSITORY    TAG       IMAGE ID       CREATED       SIZE
nginx         alpine   fe7edaf8a8dc   2 days ago   41.4MB
hello-world   latest   9c7a54a9a43c   3 weeks ago   13.3kB
ubuntu        latest   3b418d7b466a   4 weeks ago   77.8MB
nginx         1.14-alpine  8a2fb25a19f5   4 years ago   16MB
kdawoud@k:~$ docker rmi fe7edaf8a8dc
Error response from daemon: conflict: unable to delete fe7edaf8a8dc (cannot be forced) - image is being used by running container Sacfa69c5f38
kdawoud@k:~$ docker ps -a
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS   NAMES
Sacfa69c5f38   nginx:alpine   "/docker-entrypoint..."   About a minute ago   Up About a minute   80/tcp   web
b071ad15539f   ubuntu   "sleep 1000"   4 minutes ago   Up 4 minutes   vibrant_swirls
d8662cb9162b   hello-world   "/hello"   19 minutes ago   Exited (0) 19 minutes ago   quirky_vaughan
6276d2494a87   ubuntu   "sleep 100"   3 hours ago   Exited (137) 3 hours ago   romantic_edison
4e8119b96425   ubuntu   "sleep 100"   3 hours ago   Created   clever_mendel
fa6c1db0f844   hello-world   "sleep 100"   3 hours ago   Created   mystifying_spence
c5cbbba8349b   hello-world   "sleep 100"   3 hours ago   Created   magical_austin
088957a1913a   hello-world   "/hello"   3 hours ago   Exited (0) 3 hours ago   optimistic_northcutt
b0dc317626f6   hello-world   "/hello"   3 hours ago   Exited (0) 3 hours ago   quizzical_jang
kdawoud@k:~$ docker rm Sacfa69c5f38
Error response from daemon: You cannot remove a running container Sacfa69c5f381cea609cd11c4cb25e42cdf69be08f56e4865713a0641526293. Stop the container before attempting removal or force remove
kdawoud@k:~$ docker stop Sacfa69c5f38
Sacfa69c5f38
kdawoud@k:~$ docker rm Sacfa69c5f38
Sacfa69c5f38
kdawoud@k:~$ docker stop b071ad15539f
b071ad15539f
kdawoud@k:~$ docker rm b071ad15539f
b071ad15539f
kdawoud@k:~$ docker stop d8662cb9162b
d8662cb9162b
kdawoud@k:~$ docker rm d8662cb9162b
d8662cb9162b
kdawoud@k:~$ docker rmi fe7edaf8a8dc
Untagged: nginx:alpine
Deleted: sha256:2e776a66a3556f001ab13431b26e448fe8acba277bf93d2ab1a785571a46d90
Deleted: sha256:fe7edaf8a8dcf9a72f4f9e8a0219e3ace17667baf5c37f04a8ab1bd7f10d67
Deleted: sha256:0405b0b0f6709f7b03241900b71d132458622291d454516d85c2f0d07f3299a
Deleted: sha256:48e01136a4fe25c5dcdd1aa6c5c4bdebfec1725f5397267327c36c4323c8e
Deleted: sha256:34325996f3c88e4aa749af90c2ae08985ff3ba7e530b07a54f73c6dbfaad2f39
Deleted: sha256:063d62e474734c802a5b3443a8ee8b365cc914771c0ce98f94a8ce003dce96d8
Deleted: sha256:6044cb9ca9f9cb001c626536bba1d45e96dcd9bfff5b35232201c52010047cdf
Deleted: sha256:766cb41bf6dffa72f3084f510f9ce4803c5c6916554533816cb0774f48bd563f
Deleted: sha256:f1417f783b319fbd4e6dd9cd6d8c9c8002dcd75ecf6ec201c8c6894681cf2b5
kdawoud@k:~$ docker rmi 9c7a54a9a43c
Error response from daemon: conflict: unable to delete 9c7a54a9a43c (must be forced) - image is being used by stopped container 088957a1913a
kdawoud@k:~$ docker rmi 3b418d7b466a
Error response from daemon: conflict: unable to delete 3b418d7b466a (must be forced) - image is being used by stopped container 4e8119b96425
kdawoud@k:~$ docker rmi 3b418d7b466a
Error response from daemon: conflict: unable to delete 3b418d7b466a (must be forced) - image is being used by stopped container 4e8119b96425
kdawoud@k:~$ docker rmi 8a2fb25a19f5
Untagged: nginx:1.14-alpine
Deleted: sha256:8a2fb25a19f5d81528b7a3fabeb31145ff57fe10e4f1edac6c718a3cf4aa4b73
Deleted: sha256:f68a8bcb9dbd06e0d2750eabf63c45f51734a72831ed650d2349775865d5fc20
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Activities Terminal May 27 7:01 PM
kdawoud@k: ~

kdawoud@k:~$ docker rmi 3b418d7b466a
Error response from daemon: conflict: unable to delete 3b418d7b466a (must be forced) - image is being used by stopped container 4e8119b96425
kdawoud@k:~$ docker rmi 8a2fb25a19f5
Untagged: nginx:1.14-alpine
Untagged: nginx@sha256:485b610fefec7ff6c463ced9623314a04ed67e3945b9c08d7e53a47fed108dc7
Deleted: sha256:8a2fb25a19f5dc1528b7a3fabeb3145ff57fe18e4f1edac7c18a3cf4aa4b73
Deleted: sha256:f68a0bb9db06e0d2730eabf63c45f51734a72831ed650d2349775065d5fc20
Deleted: sha256:cbf2c7789332fe231e8defa490527a7b2c3ae8589997ceee00895f3263f0a8cf
Deleted: sha256:894f3fad7e0ecd7724e88340a44b7b73663a85c0eb7740e7ade169e9d8491a4c
Deleted: sha256:a464c54f93a9e88fc1d33df1e0e39cca427d60145a360962e8f19a1dbf900da9
kdawoud@k:~$ docker ps -a
CONTAINER ID        IMAGE               COMMAND             CREATED             STATUS              PORTS              NAMES
6276d2494a87       ubuntu             "sleep 100"        3 hours ago        Exited (137) 3 hours ago              romantic_edison
4e8119b96425       ubuntu             "sleep 100"        3 hours ago        Created                                clever_pendel
fa6c1adb0f044      hello-world        "sleep100"         3 hours ago        Created                                mystifying_spence
c5ccbba8349b       hello-world        "sleep 100"        3 hours ago        Created                                magical_austin
088957a1913a       hello-world        "/hello"           3 hours ago        Exited (0) 3 hours ago              optimistic_northcutt
b0dc317626f6       hello-world        "/hello"           4 hours ago        Exited (0) 4 hours ago              quizzical_jang
kdawoud@k:~$ ^C
kdawoud@k:~$ docker rm 6276d2494a87
6276d2494a87
kdawoud@k:~$ docker rm 4e8119b96425
4e8119b96425
kdawoud@k:~$ docker rm fa6c1adb0f044 c5ccbba8349b 088957a1913a b0dc317626f6
fa6c1adb0f044
c5ccbba8349b
088957a1913a
b0dc317626f6
kdawoud@k:~$ docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
hello-world         latest             9c7a54a9a43c       3 weeks ago        13.3kB
ubuntu              latest             3b418d7b466a       4 weeks ago        77.8MB
kdawoud@k:~$ docker rmi 9c7a54a9a43c 3b418d7b466a
Untagged: hello-world:latest
Untagged: hello-world@sha256:fc6cf906cbfa013e80938cdf0bb199fbd8b86d6e3e013783e5a766f50f5dbce0
Deleted: sha256:9c7a54a9a43cca047011b02af109f9e03f07f63f9e016fcd3384500c2023d
Deleted: sha256:01bb4fce3eb1b56b05adf995b4dafd31907a5aadac736e36b27595cab92f07f1
Untagged: ubuntu:latest
Untagged: ubuntu@sha256:dfd64a3b4296d8c9b62aa3309984f8620b98d87e47492599ee20739e8eb54fbf
Deleted: sha256:3b418d7b466ac6275a6bfc0c86fbc4422ff6e0af444a294f82d3bf5173ce74
Deleted: sha256:b8a36d10656ac19ddb96ef3107f76820663717708fc37ce929925c36d1bd157
kdawoud@k:~$ docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
kdawoud@k:~$ docker ps -a
CONTAINER ID        IMAGE               COMMAND             CREATED             STATUS              PORTS              NAMES
kdawoud@k:~$ history
1 sudo yum check-update
2 sudo apt update
3 YUM instal
4 sudo apt-get install yum
5 sudo apt-get install yum
6 sudo apt-get remove docker docker-engine docker.io containerd runc
7 sudo apt install dnf
8 sudo apt-get update
9 sudo apt-get update
```