Assem Tolen, 21MD0172

1-running_containers

```
assem@Assen:~/Projects/software-architecture$ sudo docker images
REPOSITORY              TAG       IMAGE ID       CREATED         SIZE
invest-strategy_nginx   latest    62ce46220214   10 days ago     182MB
invest-strategy_php     latest    8441031ea07e   10 days ago     545MB
academy-backend_nginx   latest    4e0b289509a6   3 months ago    182MB
academy-backend_php     latest    5a19514df593   3 months ago    548MB
postgres                latest    e94a3bb61224   3 months ago    374MB
ubuntu                  16.04     b6f507652425   7 months ago    135MB
debian                  jessie    3aaeab7a4777   12 months ago   129MB
php                     7.2-fpm   28f52b60203d   15 months ago   398MB
ubuntu                  16.10     7d3f705d307c   4 years ago     107MB
nginx                   1.10      0346349a1a64   5 years ago     182MB
assem@Assen:~/Projects/software-architecture$ sudo docker rmi 7d3f705d307c
Untagged: ubuntu:16.10
Untagged: ubuntu@sha256:8dc9652808dc091400d7d5983949043a9f9c7132b15c14814275d25f94bca18a
Deleted: sha256:7d3f705d307c7c225398e04d4c4f8512f64eb8a65959a1fb4514dfde18a047e7
Deleted: sha256:d9db289b9342d9617596cd6ee3bba988629e24d9afa5db4e4b0e4e491c65007d
Deleted: sha256:a87725e8597b97f2399bc3aa50b0e2eec903b8ce19055668d3befb012918205c
Deleted: sha256:38cf10a2801529348366953e9b933d3524360dedc91d3e4d5d7f941da0c973c9
Deleted: sha256:61172966249d43026dbd017eec3a9575e37bddf8a269a9f09ecb559d7bfe7fef
Deleted: sha256:57145c01eb80040fdd0a24cde20af4788605b49593188d4f7efab099af89a08e
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debian                  jessie    3aaeab7a4777   12 months ago   129MB
php                     7.2-fpm   28f52b60203d   15 months ago   398MB
nginx                   1.10      0346349a1a64   5 years ago     182MB
assem@Assen:~/Projects/software-architecture$ sudo docker run ubuntu:16.04 /bin/echo 'Hello world!'
Hello world!
assem@Assen:~/Projects/software-architecture$ sudo docker ps
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS     NAMES
assem@Assen:~/Projects/software-architecture$ sudo docker ps -a
CONTAINER ID   IMAGE                   COMMAND                  CREATED          STATUS                      PORTS     NAMES
ea262e8fb834   ubuntu:16.04            "/bin/echo 'Hello wo…"   29 seconds ago   Exited (0) 28 seconds ago             vigorous_bartik
61ed3465c4ae   invest-strategy_nginx   "nginx -g 'daemon of…"   10 days ago      Exited (0) 9 days ago                 invest-strategy_nginx_1
643c4094129d   invest-strategy_php     "docker-php-entrypoi…"   10 days ago      Exited (0) 9 days ago                 invest-strategy_php_1
c31fe8b30168   academy-backend_nginx   "nginx -g 'daemon of…"   13 days ago      Exited (0) 12 days ago                academy-backend_nginx_1
06878eadb3da   academy-backend_php     "docker-php-entrypoi…"   13 days ago      Exited (0) 12 days ago                academy-backend_php_1
16a5151f946b   postgres:latest         "docker-entrypoint.s…"   13 days ago      Exited (0) 12 days ago                academy-backend_postgres_1
assem@Assen:~/Projects/software-architecture$ sudo docker run ubuntu:16.04 /bin/bash
assem@Assen:~/Projects/software-architecture$ sudo docker ps -a
CONTAINER ID   IMAGE                   COMMAND                  CREATED            STATUS                      PORTS     NAMES
df0648418a54   ubuntu:16.04            "/bin/bash"              10 seconds ago     Exited (0) 9 seconds ago              clever_lederberg
ea262e8fb834   ubuntu:16.04            "/bin/echo 'Hello wo…"   About a minute ago Exited (0) 59 seconds ago             vigorous_bartik
61ed3465c4ae   invest-strategy_nginx   "nginx -g 'daemon of…"   10 days ago        Exited (0) 9 days ago                 invest-strategy_nginx_1
643c4094129d   invest-strategy_php     "docker-php-entrypoi…"   10 days ago        Exited (0) 9 days ago                 invest-strategy_php_1
c31fe8b30168   academy-backend_nginx   "nginx -g 'daemon of…"   13 days ago        Exited (0) 12 days ago                academy-backend_nginx_1
06878eadb3da   academy-backend_php     "docker-php-entrypoi…"   13 days ago        Exited (0) 12 days ago                academy-backend_php_1
16a5151f946b   postgres:latest         "docker-entrypoint.s…"   13 days ago        Exited (0) 12 days ago                academy-backend_postgres_1
assem@Assen:~/Projects/software-architecture$
```

```
assem@Assen:~/Projects/software-architecture$ sudo docker run -it ubuntu:16.04 /bin/bash
root@316f9a4e0b6a:/# pwd
/
root@316f9a4e0b6a:/# ls
bin  boot  dev  etc  home  lib  lib64  media  mnt  opt  proc  root  run  sbin  srv  sys  tmp  usr  var
root@316f9a4e0b6a:/# exit
exit
assem@Assen:~/Projects/software-architecture$ sudo docker run -d ubuntu:16.04 /bin/sleep 3600
a99b224004efca000faf1b0e846f3e1fb54df7d6b56ff89d45dfbb24157f6e91
assem@Assen:~/Projects/software-architecture$ sudo docker ps
CONTAINER ID   IMAGE          COMMAND            CREATED          STATUS         PORTS     NAMES
a99b224004ef   ubuntu:16.04   "/bin/sleep 3600"  10 seconds ago   Up 10 seconds            reverent_leavitt
assem@Assen:~/Projects/software-architecture$ sudo docker exec -it be7 /bin/bash
Error: No such container: be7
assem@Assen:~/Projects/software-architecture$ sudo docker exec -it a99 /bin/bash
root@a99b224004ef:/# ps aux
USER       PID %CPU %MEM    VSZ   RSS TTY      STAT START   TIME COMMAND
root         1  0.0  0.0   4380   656 ?        Ss   09:10   0:00 /bin/sleep 3600
root         8  0.0  0.0  18244  3348 pts/0    Ss   09:12   0:00 /bin/bash
root        18  0.0  0.0  34428  2920 pts/0    R+   09:12   0:00 ps aux
root@a99b224004ef:/# exit
exit
assem@Assen:~/Projects/software-architecture$ sudo docker ps
CONTAINER ID   IMAGE          COMMAND            CREATED          STATUS         PORTS     NAMES
a99b224004ef   ubuntu:16.04   "/bin/sleep 3600"  2 minutes ago    Up 2 minutes             reverent_leavitt
assem@Assen:~/Projects/software-architecture$ sudo docker stop a99b
a99b
assem@Assen:~/Projects/software-architecture$ sudo docker ps -a
CONTAINER ID   IMAGE                   COMMAND                  CREATED          STATUS                      PORTS     NAMES
a99b224004ef   ubuntu:16.04            "/bin/sleep 3600"        3 minutes ago    Exited (137) 10 seconds ago           reverent_leavitt
316f9a4e0b6a   ubuntu:16.04            "/bin/bash"              4 minutes ago    Exited (0) 4 minutes ago              modest_chaum
df0648418a54   ubuntu:16.04            "/bin/bash"              7 minutes ago    Exited (0) 7 minutes ago              clever_lederberg
ea262e8fb834   ubuntu:16.04            "/bin/echo 'Hello wo…"   8 minutes ago    Exited (0) 8 minutes ago              vigorous_bartik
61ed3465c4ae   invest-strategy_nginx   "nginx -g 'daemon of…"   10 days ago      Exited (0) 9 days ago                 invest-strategy_nginx_1
643c4094129d   invest-strategy_php     "docker-php-entrypoi…"   10 days ago      Exited (0) 9 days ago                 invest-strategy_php_1
c31fe8b30168   academy-backend_nginx   "nginx -g 'daemon of…"   13 days ago      Exited (0) 12 days ago                academy-backend_nginx_1
06878eadb3da   academy-backend_php     "docker-php-entrypoi…"   13 days ago      Exited (0) 12 days ago                academy-backend_php_1
16a5151f946b   postgres:latest         "docker-entrypoint.s…"   13 days ago      Exited (0) 12 days ago                academy-backend_postgres_1
assem@Assen:~/Projects/software-architecture$ sudo docker rm a99b
a99b
assem@Assen:~/Projects/software-architecture$ sudo docker run --rm ubuntu:16.04 /bin/echo 'Hello and goodbye!'
Hello and goodbye!
```