

Basic Docker Commands

KodeKloud HANDS-ON LABS, LABS: BASIC DOCKER COMMANDS-BETA In Progress Mark Complete

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

Delete all containers from the Docker Host.

Both **Running** and **Not Running** ones. Remember you may have to stop containers before deleting them.

Check

All containers deleted

```
utes
53964d82f61a nginx:alpine elated_matsumoto "/docker-entrypoint..." 4 minutes ago Up 4 min
utes 80/tcp nginx-2
0136b75aa715 nginx:alpine "/docker-entrypoint..." 4 minutes ago Up 4 min
utes 80/tcp nginx-1
12edd9ef07e0 ubuntu "sleep 1000" 4 minutes ago Up 4 min
utes awesome_northcut
428c74b11f13 redis "docker-entrypoint.s..." 13 minutes ago Up 13 mi
utes 6379/tcp focused_williamson
$ docker stop $(docker ps -aq)
d98b7cc1714a
docker1aaab572b2b5
53964d82f61a
0136b75aa715
12edd9ef07e0
428c74b11f13
$ docker rm $(docker ps -aq)
d98b7cc1714a
1aaab572b2b5
53964d82f61a
0136b75aa715
12edd9ef07e0
428c74b11f13
$
```

KodeKloud HANDS-ON LABS, LABS: BASIC DOCKER COMMANDS-BETA In Progress Mark Complete

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

What is the name of the container created using the **ubuntu** image?

awesome_northcut

silly_samet

nginx-1

eager_ramanujan

```
1aaab572b2b5 alpine "sleep 1000" About a minute ago Up A
bout a minute elated_matsumoto
53964d82f61a nginx:alpine "/docker-entrypoint..." About a minute ago Up A
bout a minute 80/tcp nginx-2
0136b75aa715 nginx:alpine "/docker-entrypoint..." About a minute ago Up A
bout a minute 80/tcp nginx-1
12edd9ef07e0 ubuntu "sleep 1000" About a minute ago Up A
bout a minute awesome_northcut
428c74b11f13 redis "docker-entrypoint.s..." 10 minutes ago Up 1
0 minutes 6379/tcp focused_williamson
$ docker ps
CONTAINER ID IMAGE COMMAND CREATED STAT
US PORTS NAMES
1aaab572b2b5 alpine "sleep 1000" About a minute ago Up A
bout a minute elated_matsumoto
53964d82f61a nginx:alpine "/docker-entrypoint..." About a minute ago Up A
0136b75aa715 nginx:alpine "/docker-entrypoint..." About a minute ago Up A
bout a minute 80/tcp nginx-1
12edd9ef07e0 ubuntu "sleep 1000" About a minute ago Up A
bout a minute awesome_northcut
428c74b11f13 redis "docker-entrypoint.s..." 11 minutes ago Up 1
1 minutes 6379/tcp focused_williamson
$
```

Waiting for o1422636.ingest.sentry.io...

KodeKloud HANDS-ON LABS, LABS: BASIC DOCKER COMMANDS-BETA In Progress Mark Complete

How many containers are PRESENT on the host now?

Including both Running and Not Running ones

4
0
1
2
3
6 ✓

```
53964d82f61a nginx:alpine "/docker-entrypoint..." 34 seconds ago Up 33 se
conds 80/tcp nginx-2
0136b75aa715 nginx:alpine "/docker-entrypoint..." 36 seconds ago Up 34 se
conds 80/tcp nginx-1
12edd9ef07e0 ubuntu "sleep 1000" 37 seconds ago Up 36 se
conds awesome_northcut
428c74b11f13 redis "docker-entrypoint.s..." 9 minutes ago Up 9 min
utes 6379/tcp focused_williamson
$ docker ps -a
CONTAINER ID IMAGE COMMAND CREATED STATUS
US PORTS NAMES
d98b7cc1714a alpine "/bin/sh" About a minute ago Exit
ed (0) 59 seconds ago eloquent_herschel
1aaab572b2b5 alpine "sleep 1000" About a minute ago Up A
bout a minute elated_matsumoto
53964d82f61a nginx:alpine "/docker-entrypoint..." About a minute ago Up A
bout a minute 80/tcp nginx-2
0136b75aa715 nginx:alpine "/docker-entrypoint..." About a minute ago Up A
bout a minute 80/tcp nginx-1
12edd9ef07e0 ubuntu "sleep 1000" About a minute ago Up A
bout a minute awesome_northcut
428c74b11f13 redis "docker-entrypoint.s..." 10 minutes ago Up 1
0 minutes 6379/tcp focused_williamson
$
```

KodeKloud HANDS-ON LABS, LABS: BASIC DOCKER COMMANDS-BETA In Progress Mark Complete

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

All rights reserved

```
$ docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS
PORTS NAMES
428c74b11f13 redis "docker-entrypoint.s..." 8 minutes ago Up 8 minutes
6379/tcp focused_williamson
$ docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS
PORTS NAMES
1aaab572b2b5 alpine "sleep 1000" 33 seconds ago Up 31 se
conds elated_matsumoto
53964d82f61a nginx:alpine "/docker-entrypoint..." 34 seconds ago Up 33 se
conds 80/tcp nginx-2
0136b75aa715 nginx:alpine "/docker-entrypoint..." 36 seconds ago Up 34 se
conds 80/tcp nginx-1
12edd9ef07e0 ubuntu "sleep 1000" 37 seconds ago Up 36 se
conds awesome_northcut
428c74b11f13 redis "docker-entrypoint.s..." 9 minutes ago Up 9 min
utes 6379/tcp focused_williamson
$
```

Waiting for 4f622d61cf3c4b98.labs.kodekloud.com...

Waiting for 4f622d6fc3c4b98.labs.kodecloud.com...

30°C Sunny

Search

codecloud.com/topic/labs-basic-docker-commands-beta-5/

Relaunch to update

KodeCloud

HANDS-ON LABS, LABS: BASIC DOCKER COMMANDS-BETA

In Progress

Mark Complete

<

>

My Account

Task

Hint

59:21

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▶

How many containers are running on this host?

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Terminal 1

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```
Built: Tue Apr 4 18:21:05 2023
OS/Arch: linux/amd64
Context: default
Experimental: true

Server: Docker Engine - Community
Engine:
  Version: 20.10.24
  API version: 1.41 (minimum version 1.12)
  Go version: go1.19.7
  Git commit: 5d6db84
  Built: Tue Apr 4 18:18:48 2023
  OS/Arch: linux/amd64
  Experimental: false
containerd:
  Version: 1.6.20
  GitCommit: 2806fc1057397dbaeefbea0e4e17bdfdbd388f38
runc:
  Version: 1.1.5
  GitCommit: v1.1.5-0-gf19387a
  docker-init:
    Version: 0.19.0
    GitCommit: de40ad0

$
```

Feedback

Waiting for 4f622d6fc3c4b98.labs.kodecloud.com...

26°C Sunny

Search

codecloud.com/topic/labs-basic-docker-commands-beta-5/

Relaunch to update

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In Progress

Mark Complete

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My Account

Task

Hint

59:21

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How many containers are running on this host?

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Terminal 1

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```
Built: Tue Apr 4 18:21:05 2023
OS/Arch: linux/amd64
Context: default
Experimental: true

Server: Docker Engine - Community
Engine:
  Version: 20.10.24
  API version: 1.41 (minimum version 1.12)
  Go version: go1.19.7
  Git commit: 5d6db84
  Built: Tue Apr 4 18:18:48 2023
  OS/Arch: linux/amd64
  Experimental: false
containerd:
  Version: 1.6.20
  GitCommit: 2806fc1057397dbaeefbea0e4e17bdfdbd388f38
runc:
  Version: 1.1.5
  GitCommit: v1.1.5-0-gf19387a
  docker-init:
    Version: 0.19.0
    GitCommit: de40ad0

$
```

Feedback

KodeKloud

HANDS-ON LABS, LABS: BASIC DOCKER COMMANDS-BETA

In Progress

Mark Complete

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Relaunch to update

My Account

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You are required to pull a docker image which will be used to run a container later. Pull the image `nginx:1.14-alpine`

Only pull the image, do not create a container.

Check

Image pulled

```
428c74b11f13
$ docker rm $(docker ps -aq)
d98b7cc1714a
1aaab572b2b5
53964d82f61a
0136b75aa715
12edd9ef07e0
428c74b11f13
$ docker rmi ubuntu
Untagged: ubuntu:latest
Untagged: ubuntu@sha256:67211c14fa74f070d27cc59d69a7fa9aeff8e28ea118ef3babc295ae428a6d21
Deleted: sha256:08d22c0ceb150ddebb2237c5fa3129c0183f3ccc6f5eeb2e7aa4016da3ad02140e
Deleted: sha256:b93c1bd012ab8fda60f5b4f5906bf244586e0e3292d84571d3abb5647224846e
$ docker pull nginx:1.14-alpine
1.14-alpine: Pulling from library/nginx
bdf0201b3a05: Pull complete
3d0a573c81ed: Pull complete
8129faeb2eb6: Pull complete
3dc99f571daf: Pull complete
Digest: sha256:485b610fefec7ff6c463ced9623314a04ed67e3945b9c08d7e53a47f6d108dc7
Status: Downloaded newer image for nginx:1.14-alpine
docker.io/library/nginx:1.14-alpine
$
```


KodeCloud HANDS-ON LABS, LABS: BASIC DOCKER COMMANDS-BETA In Progress Mark Complete My Account

Task 28:53

CONGRATULATIONS!!!

You have successfully completed the challenge.

End Lab session

Terminal 1

```
Deleted: sha256:12e8c893d121075ced84d32b967f6de75ff67e1cf7c9b66b63636bdf630ac12c
Deleted: sha256:4785d1dd03a24d6b30c9342db24ac2254d01362e7f3b3f28f55a00e4858f85e5
Deleted: sha256:9de207c88e3d729c3b9c451d87e109144cdc6e2e71f4fcd80c9cbf9879d8bb
Deleted: sha256:0a2679c979afc5eb30764613ae1fa22199b872610f709f556b9f35bc0717e3f1
Deleted: sha256:df64d3292fd6194b7865d7326af5255db6d81e9df29f48adde61a918fbd8c332
Error response from daemon: conflict: unable to delete 8a2fb25a19f5 (cannot be f
orced) - image is being used by running container e0c92354f289
$ docker stop $(docker ps -aq)
e0c92354f289
$ docker rmi $(docker images -aq)
Error response from daemon: conflict: unable to delete 8a2fb25a19f5 (must be for
ced) - image is being used by stopped container e0c92354f289
$ docker rm e0c92354f289
e0c92354f289
$ docker rmi 8a2fb25a19f5
Untagged: nginx:1.14-alpine
Untagged: nginx@sha256:485b610fefec7ff6c463ced9623314a04ed67e3945b9c08d7e53a47f6
d108dc7
Deleted: sha256:8a2fb25a19f5dc1528b7a3fabe8b3145ff57fe10e4f1edac6c718a3cf4aa4b73
Deleted: sha256:f68a8bcb9dbd06e0d2750eabf63c45f51734a72831ed650d2349775865d5fc20
Deleted: sha256:cbf2c7789332fe231e8defa490527a7b2c3ae8589997ceee00895f3263f0a8cf
Deleted: sha256:894f3fad7e6ecd7f24e88340a44b7b3663a85c0eb7740e7ade169e9d8491a4c
Deleted: sha256:a464c54f93a9e88fc1d33df1e0e39cca427d60145a360962e8f19a1dbf900da9
$
```

KodeCloud HANDS-ON LABS, LABS: BASIC DOCKER COMMANDS-BETA In Progress Mark Complete My Account

Task Hint Solution 29:02

Cleanup: Delete all images on the host

Remove containers as necessary

Complete Next

Remove all images

Terminal 1

```
Deleted: sha256:12e8c893d121075ced84d32b967f6de75ff67e1cf7c9b66b63636bdf630ac12c
Deleted: sha256:4785d1dd03a24d6b30c9342db24ac2254d01362e7f3b3f28f55a00e4858f85e5
Deleted: sha256:9de207c88e3d729c3b9c451d87e109144cdc6e2e71f4fcd80c9cbf9879d8bb
Deleted: sha256:0a2679c979afc5eb30764613ae1fa22199b872610f709f556b9f35bc0717e3f1
Deleted: sha256:df64d3292fd6194b7865d7326af5255db6d81e9df29f48adde61a918fbd8c332
Error response from daemon: conflict: unable to delete 8a2fb25a19f5 (cannot be f
orced) - image is being used by running container e0c92354f289
$ docker stop $(docker ps -aq)
e0c92354f289
$ docker rmi $(docker images -aq)
Error response from daemon: conflict: unable to delete 8a2fb25a19f5 (must be for
ced) - image is being used by stopped container e0c92354f289
$ docker rm e0c92354f289
e0c92354f289
$ docker rmi 8a2fb25a19f5
Untagged: nginx:1.14-alpine
Untagged: nginx@sha256:485b610fefec7ff6c463ced9623314a04ed67e3945b9c08d7e53a47f6
d108dc7
Deleted: sha256:8a2fb25a19f5dc1528b7a3fabe8b3145ff57fe10e4f1edac6c718a3cf4aa4b73
Deleted: sha256:f68a8bcb9dbd06e0d2750eabf63c45f51734a72831ed650d2349775865d5fc20
Deleted: sha256:cbf2c7789332fe231e8defa490527a7b2c3ae8589997ceee00895f3263f0a8cf
Deleted: sha256:894f3fad7e6ecd7f24e88340a44b7b3663a85c0eb7740e7ade169e9d8491a4c
Deleted: sha256:a464c54f93a9e88fc1d33df1e0e39cca427d60145a360962e8f19a1dbf900da9
$
```

KodeKloud HANDS-ON LABS, LABS: BASIC DOCKER COMMANDS-BETA In Progress Mark Complete My Account

Cleanup: Delete all images on the host

Remove containers as necessary

Check

Remove all images

```
b9999e0246ab665c29922e9800d1b41
Deleted: sha256:129dd9f673673e9e8507ac837dcd9eaa3906469c10ef4aa63d0cac1f1dfa6b3a
Deleted: sha256:07711c2005c750fa9c42f5667ec657d7f5126f710915cf917cf5c0e9e3871242
Deleted: sha256:69db0e0a61b055e5e63706bc76a875220e02769e880d1846c6f965c2f4b1bdfe
Deleted: sha256:5978a6831cce81b23e657b11150010eb8ac4f63a183cbe540eb6c769314a0f8a
Deleted: sha256:93099f51e789a3d87e77501591ab260ca2ff9b8532a78f9fc6ebbaa2d5ffcad4
Deleted: sha256:15df614f20bc13c6da75c43616dec28d17908970491a562820fabbc11a1e562c
Deleted: sha256:a8dc474c5cce41198ea9a33a54bd7d59043f86c32c3b8e3f0d76a52adf09cf2
Deleted: sha256:362e5432c5954e9f081657f369b00d821ced10274b8885f1d6fd1b2e8c1a405
Deleted: sha256:73046094a9b835e443af1a9d736fcfc11a994107500e474d0abf399499ed280c
Untagged: kodekloud/simple-webapp:latest
Untagged: kodekloud/simple-webapp@sha256:e5355b4c7804f453d79de756659ee702eeebbc
30c0d9f1ce6602a96b576e57
Deleted: sha256:c6e3cd9aae3645a98dd69c15b048614603efce6cda26c60f5f7e867f68f729f
Deleted: sha256:33833b97952fc68d999bc3bccad23687ea6a939724e0130c151dc973ba8f2d
Deleted: sha256:a3dd002b33a1c0b83aface983ea0d268be1b4ffda0e42ce72aa5c22ced6701f
Deleted: sha256:12e8c893d121075ced84d32b967f6de75ff67e1cf7c9b66b6363bdf630ac12c
Deleted: sha256:4785d1dd03a24d6b30c9342db24ac2254d01362e7f3b3f28f55a00e485f85e5
Deleted: sha256:9de207c08e3d729c3b9c451d87e109144cdce2e71f4fcaad0c9cbf9987d8bb
Deleted: sha256:0a2679c979afc5eb30764613ae1fa22199b872610f709f56b9f35bc0717a3f1
Deleted: sha256:df64d3292fd6194b7865d7326af5255db6d81e0df29f48adde61a918fb08c332
Error response from daemon: conflict: unable to delete 8a2fb25a19f5 (cannot be f
orced) - image is being used by running container e0c92354f289
$
```

KodeKloud HANDS-ON LABS, LABS: BASIC DOCKER COMMANDS-BETA In Progress Mark Complete My Account

Task Hint Solution 32:32

Cleanup: Delete all images on the host

Remove containers as necessary

Check

Remove all images

```
Deleted: sha256:cc35684e233946f93fe008e0322c86e15cbb97b56c58d269a5f8f9da15d973d
Deleted: sha256:0b795b85d567512d79a544b1b74f2110833915cbb878d16921e96a2a69f687b
Deleted: sha256:16e250c36f4c0e1085512653edd47fd03b60d230ddb575aab8eb224d96e668f
Deleted: sha256:d023b92a46a5fa8fa8d54387e6d3cb0c73997f6c64e900eab0ee1c550ef45
Deleted: sha256:f1c1643119168a94089eab1c9126cda0ee6056a4bb4b18e27a7dcacdf4823972
Deleted: sha256:b147319dd21e8994e6d2fb3bb58a8278c5a72f39488e1f1c9f94c73f1089eb9
Deleted: sha256:ff7c2b28c0d0faa63d0b7a5069b5f526b0f6492143110381351bbf7d07b4baf
Deleted: sha256:caefa4e45110eab274ebdbbc781f9227229f947f8718cee62ebff1aac8f1d5k
Untagged: nginx:latest
Untagged: nginx@sha256:63b44e8ddb83d5dd8020327c1f40436e37a6fffd3ef2498a6204df23b
e6e7e94
Deleted: sha256:6efc10a0510f143a90b69dc564a914574973223e88418d65c1f8809e08d0a1f
Deleted: sha256:a489ce38666d5aff5d73930d115381b154a503b48c5534357d5183160f5b9bf
Deleted: sha256:ce2a611250a8bb55b73959de5865489d566bf48e1342c74b46b107e9a224370e
Deleted: sha256:fa6c51798227f4d51cc3ff628c46c1b62c0d1d08e43374be700c78ad910c0c0
Deleted: sha256:c426467d564c8684df87356eb045dc50d8b5af9521e9775c1b6bb941135680de
Deleted: sha256:c6deada06ccd386201e5b95c38e19297cd3eeb5264d6413d9cc7441020816401
Untagged: postgres:latest
Untagged: postgres@sha256:6cc97262444f1c45171081bc5a1d4c28b883ea46a6e0d1a45a8eac
4a7f4767ab
Deleted: sha256:ceccf204404e5efe764f2d4d97e6977db04062579d525d9cb445c93e0f0fef4
Deleted: sha256:5581e2a0252c0db4f2b1847cfd9300122841787cd0a9ba13e095425b22c08bb05
Deleted: sha256:b8d9a959ce0f6039bf4061dded320c05b9b049b5bd8abb2b5f9d697fcd4e0e
Deleted: sha256:d426781ae8413908a52d86fb8f28319b834625c5cb194e3d122d1b1eb179d87
```


KodeKloud HANDS-ON LABS, LABS: BASIC DOCKER COMMANDS-BETA In Progress Mark Complete

Task Hint Solution 32:35

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

Cleanup: Delete all images on the host

Remove containers as necessary

Check

Remove all images

Terminal 1

```
Deleted: sha256:eca1379fe8b541831fd5ce4a252c263db0cef4efb4d28a94225dc020aabb1af
Deleted: sha256:21acda8c08f1a6109e2fb61ed010d368ee6581cf30128cdaab0e6b91dabfffc22
Deleted: sha256:aafc83c9f9299ba7a3af08ab0b1f822340278803714695fd2a96351fe89b37ea
Deleted: sha256:644ab96acc6e4232dc7be6f1855b27f5f3534b17b9e9c19ae2557991b99487db
Deleted: sha256:6e75f4867056adfcad8dfafbb0e94a525064797e4f0a106bca817b5afce47af73
Deleted: sha256:84e4c46eefa83bc327e4e356365ec03a3ee1f691d181235e5b69e36663f7dd57
Untagged: mysql:latest
Untagged: mysql@sha256:a43f6e7e7f3a5e5b90f857fbed4e3103ece771b19f0f75880f767cf66
bbb6577
Deleted: sha256:8189e588b0e8fcc95b0d764d6f7bdb55b5b41e9249157177d3781058f603ca9
Deleted: sha256:48c450c06ed83938e899fb0b77b2e9e35094015b503bb5e88de6c2d93f445241
Deleted: sha256:c5d77efb49ec3a7a74ab898b9da9217ec78fa9bee4701840902546711d60329
Deleted: sha256:de0c00e28b37cc33347f02709e0a6a2f17637b1e761fb96616861ed345bd34fe
Deleted: sha256:cc635684e233946f93fa008e0322c86e15cbb97b56c58d269a5f8f9da15d973d
Deleted: sha256:0b795b85d567512d79a544b1b74f21108339156cbb78d16921e96a2a69f687b
Deleted: sha256:16e250c36f4c0e1085512653edd47fd03b60d230ddb575aab8eb224d96e668f
Deleted: sha256:d023b92a46a5fa8d54387e6d3cb0c73997fefc64ec9000eab0ee1c550ef45
Deleted: sha256:f1c1643119168a94089eab1c9126cda0ee6056a4bb4b18e27a7dcacdf4823972
Deleted: sha256:b147319dd21e8994e6d2fb3bb58a8278c5a72f39488e1f1c9f94fc73f1089e9b
Deleted: sha256:ff7c2b280dfaa63d0d30b7a5069bf526b0fe492143110381351bbf7d07b4baf
Deleted: sha256:caefa4e45110eab274ebdbbc781f9227229f947f8718cee62ebef1aac8f1d5b
Untagged: nginx:latest
Untagged: nginx@sha256:63b44e8ddb83d5dd8020327c1f40436e37a6fffd3ef2498a6204df23b
e6e7e94
```

KodeKloud HANDS-ON LABS, LABS: BASIC DOCKER COMMANDS-BETA In Progress Mark Complete

Task Hint Solution 34:17

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

Cleanup: Delete all images on the host

Remove containers as necessary

Check

Remove all images

Terminal 1

```
d98b7cc1714a
1aaab572b2b5
53964d82f61a
0136b75aa715
12edd9ef07e0
428c74b11f13
$ docker rmi ubuntu
Untagged: ubuntu:latest
Untagged: ubuntu@sha256:67211c14fa74f07d27cc59d69a7fa9aef8e28ea118ef3babc295a6
428a6d21
Deleted: sha256:08d22c0eb150ddeb2237c5fa3129c0183f3cc6f5eeb2e7aa4016da3ad021408
Deleted: sha256:b93c1bd012ab8fda60f5b4f5906bf244586e0e3292d84571d3abb56472248466
$ docker pull nginx:1.14-alpine
1.14-alpine: Pulling from library/nginx
bdf0201b3a05: Pull complete
3d0a573c81ed: Pull complete
8129faeb2eb6: Pull complete
3dc99f571daf: Pull complete
Digest: sha256:485b610fefec7ff6c463ced9623314a04ed67e3945b9c08d7e53a7f6d108dc7
Status: Downloaded newer image for nginx:1.14-alpine
docker.io/library/nginx:1.14-alpine
$ docker run -d --name webapp nginx:1.14-alpine
e0c92354f289b124d0628a982b5d67db476e36b7902b53e1a8ab6d67ada5c5f8
$
```