

## \* Docker CLI \*

- > `docker --help` → List's all the commands
- > `docker COMMAND --help` → Shows more info about the specific commands  
    ↓  
    top level command  
    will list the sub command under it.
- > `docker Top Level Command SUB-COMMAND --help`  
    → Gives info on the sub command

Q how to create a Docker container?

- Containers are created from container images.
- Images are compressed and pre-packaged file system that contains - app, env & config, instruction on how to start the application.  
    ↳ the entry point

> `docker container create`

- `docker container create [OPTIONS] IMAGE [COMMAND] - [ARG...]`

- ↳ Tries to pull IMAGE from local.
- ↳ If not, tries to pull it from Docker-hub (library)
- ↳ Got It? → Creates a container and gives Container ID  
    → Errors

\* Note:-

create command → creates the containers but doesn't actually start/run them.

Q How to see what containers we have?

> docker ps → lists containers that are actually running.

> docker ps --all → lists all containers - created & running

- docker ps [OPTIONS]

↳ Some useful options:

- -a, --all
- -l, --latest → shows the latest created container
- -q, --quiet → Only displays container IDs
- -s, --size → total file size

Q How do we start a docker container?

> docker container start CONTAINER-ID

↳ returns Cont.ID if successful

↳ Alias: > docker start

\* Note:

If the status in "ps" is "EXITED(0)" then the entry point ran successfully.

"start" won't log any message.

Q How to see the logged message?

> docker logs ContainerID

↳ First 3 letters are also fine.

• docker logs [OPTIONS] CID

↳ some useful options

• --since string } shows the logs after or  
• --until string } before the given timestamp "42m"

• -n, --tail string → # of lines from the end of logs

Q Is there a way to get output without the logs?

Using `--attach`

- `docker start --attach CID`  
↳ attaches the stdout to terminal

Q Is there any other way to do the same?

The short way to do all the above steps.

> docker run IMAGE

→ Creates

→ Starts

→ Attach

} just run!

• docker run [OPTIONS] IMAGE [COMMAND] [ARG..]

↳ for options:

> docker run --help