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Docker Commands

18/6/2022

1) ~~Docker~~ docker pull <image name> → for downloading the imge from docker hub

2) docker pull <imge name>:version → To download specific version of an image for example
docker pull ubuntu:16.04

3) docker run <image> → To run the image

4) docker images → To check downloaded imge

5 docker run -it <image> →
↳ Interactive environment means don't exit out of it

6 docker ps → Show the currently running Containers

7 docker ls → Same thing

8 docker Container exec -it <container id> bash
↳
This means the bash shell should be attached to this running Container. This Commant will not work if your container is not running

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9 docker stop <container id> → stops the running container

10 docker ps -a → It will also show those container which are stopped

11 docker rm <container id> → removes the stopped container

12 docker inspect <container id> → gives all the info about the container

13 docker logs <container id> → shows the log of container

14 docker container prune -f → will delete all the stopped container
- means delete all containers
- mean → don't ask me again

15 docker run alpine ping www.google.com

16 docker run -d ubuntu
- -d → detach
- It will run this container in background

17 docker run ubuntu echo Hey
- run → This will run the container
- echo Hey → This is the command

18 docker logs <Container first four letter> → will Show me the logs

19 docker logs -- since 10s <Container first four letter> → will Show me the logs of last 10 seconds

20 docker rmi <image name> -f
↓
~~rem~~ will remove the image

21 docker run -d -p 8080:80 nginx
↳ You can add any port no here
↳ nginx's default port
This will run nginx in my ~~localhost~~ Container and we can acess this on our ~~local~~ nginx ~~Container~~ on localhost:8080

-p is taking to argument
port 80: Nginx listen to this port

22 docker start <Container id> → ~~run~~ the Containter

23 Q Now the question is how you can share the same image that your friend is using

A using Commit messages

docker Commit -m "added names.txt" <Containerid> <any name>
↳ for ex: ~~names-txt~~
name names-ubuntu:1.01 ↳ version

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Now you can ~~runt~~ run it

docker run -it names-ubuntu:1.01

24 docker images -q → will only give id's of image

25 docker rmi $(docker images -q)
Remove all the images at ~~once~~ but it didint work for me

26 docker rmi $(docker images -q) -f

27 docker images -q --no-trunc

Q) How to create you docker image

Ans 1) Create a file named Dockerfile

2) By default on building, docker searchers for 'Dockerfile'

$ docker ~~build~~ build -t myimage:1.01 .

3) During building of image, the container is Run section of dockefile will get executed

$ docker run ~~my~~ [ImageID]