Docker Cheat Sheet

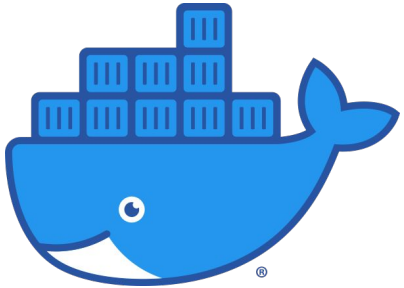

Image Build & Push	
Command	**What does it do?**
docker build -t myapp :1.0 .	To build an image from the Docker file and tag it
docker image ls	To list all the images that are locally stored:
docker rmi <name>	To delete an image from the Docker Store
docker tag <name> <repo-url>/<name>	To tag an image with repo url or username and image name
docker push <repo-url>/<name>	To push the docker image to repository

Docker Volume	
Command	**What does it do?**
docker volume <name>	To create a docker volume

docker run -v
 	
Ex:
`docker run -v vol:/data redis`
`docker run -v $PWD:/data redis`
	Use `-v` flag followed volume name and mount path to mount a volume in container
	OR
	Use `-v` flag followed host path and mount path to mount a volume in container

docker volume inspect <volume-name>	To list information of a volume

Clean-up	
Command	**What does it do?**
docker system prune	To remove all containers, images, network and volumes
docker stop $(docker ps -q -a)	To stop all running containers
docker rm $(docker ps -q -a)	To remove all exited containers
docker rmi $(docker image ls)	To remove all local images

Container Run & Manage	
Command	**What does it do?**
docker run <image-name>	To run a container from defined image use `-d` to run container in background use `-p` to publish port to container use `--name` to name the container use `-e` to pass env variable in container use `--restart` to define restart behaviour
docker ps	To list the running container use `-a` to see all container
docker stop <container-id>	To stop a running container
docker rm <container-id>	To remove a container in exited mode
docker exec -it <container-id> <command>	To execute command inside container interactive shell
docker inspect <container-id>	To list information of a container
docker log <container-id>	To retrieve logs of application inside the container use `-f` to retrieve logs in streaming mode
docker top <container-id>	To retrieve resource utilization of a container
docker commit <container-name>	To create an image from a container

Docker Network	
Command	**What does it do?**
docker network create	To create new network use `--type` to define the driver type
docker run --net Ex: `docker run --net mynetwork`	Use `-v` flag to run container in network of your choice
docker network inspect <network-name>	To list information of a network