Docker Commands

# IMAGES :

## List all Local images

docker images

## Delete an image

docker rmi <image\_name>

## Remove unused images

docker image prune

## Build an image from a Dockerﬁle

docker build -t <image\_name>:<version>. //version is optional

docker build -t <image\_name>:<version>. -no-cache //build without cache

# CONTAINER :

## List all Local containers (running & stopped)

docker ps -a

## List all running containers

docker ps

## Create & run a new container

docker run <image\_name>

//if image not available locally, it’ll be downloaded from DockerHub

## Run container in background

docker run -d <image\_name>

## Run container with custom name

docker run - -name <container\_name> <image\_name>

## Port Binding in container

docker run -p<host\_port>:<container\_port> <image\_name>

## Set environment variables in a container

docker run -e <var\_name>=<var\_value> <container\_name> (or <container\_id)

## Start or Stop an existing container

docker start|stop <container\_name> (or <container\_id)

## Inspect a running container

docker inspect <container\_name> (or <container\_id)

## Delete a container

docker rm <container\_name> (or <container\_id)

# TROUBLESHOOT :

## Fetch logs of a container

docker logs <container\_name> (or <container\_id)

## Open shell inside running container

docker exec -it <container\_name> /bin/bash docker exec -it <container\_name> sh

# DOCKER HUB :

## Pull an image from DockerHub

docker pull <image\_name>

## Publish an image to DockerHub

docker push <username>/<image\_name>

## Login into DockerHub

docker login -u <image\_name>

Or docker login

//also, docker logout to remove credentials

## Search for an image on DockerHub

docker search <image\_name>

# VOLUMES :

## List all Volumes

docker volume ls

## Create new Named volume

docker volume create <volume\_name>

## Delete a Named volume

docker volume rm <volume\_name>

## Mount Named volume with running container

docker run - -volume <volume\_name>:<mount\_path>

//or using - -mount

docker run - -mount type=volume,src=<volume\_name>,dest=<mount\_path>

## Mount Anonymous volume with running container

docker run - -volume <mount\_path>

## To create a Bind Mount

docker run - -volume <host\_path>:<container\_path>

//or using - -mount

docker run - -mount type=bind,src=<host\_path>,dest=<container\_path>

## Remove unused local volumes

docker volume prune //for anonymous volumes

# NETWORK :

## List all networks

docker network ls

## Create a network

docker network create <network\_name>

## Remove a network

docker network rm <network\_name>

## Remove all unused networks

docker network prune