DOCKER COMMANDS

docker -v 🡺 to know the docker version

docker version 🡺 to know the docker version

docker info 🡺 docker host information

docker images 🡺 list of the images in the docker host

docker search <imagename> 🡺 search image form docker host

docker pull <imagename> 🡺 download image into locally

docker pull <imagename:version> 🡺 it will download specific version  
docker ps 🡺 to verify running container

docker ps -a 🡺 it shows stop/running containers

docker run -it <Imagename> 🡺 create container in interactive terminal

docker run -d --name <conname> <imagename>

docker logs <containerid/name> 🡺 to check the logs

docker logs --tail 10 <containerid/name> < it will show last 10 lines logs>  
  
docker stop <containerid/name> 🡺 to stop the container

docker rm <containerid/name> 🡺 to remove the container

docker rm -f <containerid> 🡺 it will remove container forcefully

docker ps -a | grep -I exited < it will show only con with exited status>  
docker ps -q < it will show running container id’s>

docker ps -aq < it will show stop and running containers id>

docker rmi <imagename> 🡺 to remove image

docker inspect <image name /network/ volume/container name > 🡺 display the detailed info about a container, image, volume or network

docker network create 🡺 to create a docker network

docker network connect 🡺 connect a container to a docker network

docker network disconnect 🡺 disconnect a container from docker network

docker network prune 🡺 it removes all unused networks

docker networks 🡺 manage docker networks for connecting containers

docker networks ls 🡺to show the list of networks

docker volume 🡺 manage docker volume for persisting data

docker volume ls 🡺 to shoe the list of volumes

docker volume prune 🡺removes all unused volumes

docker commit 🡺 create a new image from changes made to a container

docker save 🡺 save an image to a tar archive

docker load 🡺 load an image from tar archive

docker tag 🡺 tag an image with a new name or version

docker push 🡺 push an image to a registry or repository

docker login 🡺 login to a docker registry

docker stats 🡺 display live resource using statistics of running containers

docker history🡺 shows the history of an image including its layers

docker top 🡺 displays the running process of a container

docker diff🡺 show the changes mad to the file system of a container

docker events 🡺 monitor docker events such as container creation, start, stop etc.,

docker system df 🡺 shows the docker disc usage

docker system events🡺 get real time events from the docker daemon

docker attach 🡺 attach to a running container to view its o/p or interact with it

docker export 🡺 export container file system as a tar archive

docker import 🡺 create a new image from a tar archive containing a container’s file system

docker pause 🡺 pause all process with in a running container

docker un pause 🡺 un pause a paused container allowing its process to continue

docker system info 🡺 display detailed system info about docker

docker exec -it <container\_name> bash 🡺 open a interactive shell inside a container

docker machine 🡺 manage docker hosts using the docker machine tool

docker swarm 🡺 manage a cluster of docker hosts using docker swarm for orchestration

docker service 🡺manage docker swarm service including scaling , updating& inspecting services

docker node 🡺 manage docker swarm nodes including listing promoting & demoting nodes

docker stack🡺 deploy & manage services defined in a compose file or docker swarm cluster

docker secret 🡺manage docker swarm secrets which are used to store sensitive information securely

docker config 🡺 manage docker swarm configuration for services such as specifying configuration files or environment variables

docker plugin 🡺 manage docker plugins which extend docker’s functionality with additional features

docker build x 🡺 build multi-platform images using build it & docker build x

docker run -d - - name <image name > 🡺run a container in detached mode and print the container id

docker kill <container\_id> 🡺 forcefully stop the running container

docker wait <container\_name> 🡺block until a container stops, then prints its exit code

docker build -t <image\_name> <path to a docker file> 🡺 build a docker image from a docker file

docker port <container\_id> 🡺 list port mappings for a container

docker start/stop/rm $(docker ps -a -q) 🡺 to start , stop & remove multiple container in a single time

docker rmi $(docker images -q) 🡺 to remove multiple images in a single time

docker compose 🡺 manage multi container applications with a yaml file