docker ps: List the running containers
docker ps -a: List all the containers (both running and stopped)
docker version: Show the version of installed docker
docker info: Display information related to the Docker installation
docker images: Show all locally saved docker images
docker pull <docker-image-name>: Pull/download docker image from docker hub
docker create <docker-image-name>: Create docker container without starting it
docker start <container-name>: Start the docker container
docker run -it --rm ubuntu /bin/bash: Run the docker container in terminal interactive mode
docker run -d --name <container-name> -p <hostport>:<containerport> <image-name>: Map a
port Example: docker run -d --name nginx-base -p 80:80 nginx:latest {D stands for running
container background}
docker run -P nginx
docker logs <container-name>: Show the logs of containers
docker export <container-name> -o <filename>.tar: Export a container's filesystem as a tar
archive
docker pause <container-name>: Pause all processes within one or more containers
docker unpause <container-name>: unpause all processes within one or more containers
docker restart <container-name>: Restart one or more containers
docker port <container-name>: Display port mapping of container
docker kill <container-name>: Kill container
docker stop <container-name>: Stop containers (different from kill)
docker events: Capture the real time events from server

Commit changes
apt update && apt upgrade -y
apt install python3
STOP RUNNING THE CONTAINER
docker ps -a
docker commit <container-id> <new-docker-image>

docker inspect <container/image>: Get detailed (configuration) info about container or image
docker diff <container-name>: Show all modified files in a container Status- A(added),
C(changed), D(deleted) file/dir
docker rename <old-container-name> <new-container-name>
docker stats: Show stats of running containers
docker save <image-name> <file.tar>: Save docker image to tar file
docker load -i <tarfile>: Load docker image from tar file
docker rmi <image-name>: Delete docker image
docker top <container-name>: Show process of containers
docker rm <container-name>: Delete a container
docker rm -f <container-name>: Delete a running container
docker stop <container-name>: Stop a container
docker exec -it <running-container-name> /bin/bash

docker attach --sig-proxy=false <container-id> and to detach hold ctrl, then press P, then Q and then release ctrl
docker attach --detach-keys="ctrl-x" <container-id>
docker cp <container-name>:source target ---> Copy a file from container to host Example: docker cp kind_golick:/home/pranjal.txt p.txt
docker cp <container-name>:target ---> Copy a file from host to container Example: docker cp p.txt kind_golick:/home/hw.txt
docker history <image-name>: Show the history of a docker image
docker update --cpu-shares 512 -m 300M <container-name/id>: To update the container configuration ---> check the container configuration using docker inspect <container-name>

Setup a Docker Nginx reverse proxy server
docker run -d --name nginx-base -p 80:80 nginx:latest