Docker

First install the docker it may take some restart.

To check docker install we must run the below command:

**docker --version (to Check the docker version)**

**docker run -d -p 80:80 docker/getting-started (check localhost :80)**

**docker run hello-world (pulling image of hello world from docker containers)**

**Docker-Commands**

**VERSION:**

1. **docker --version (check the version of the docker)**
2. **docker-compose --version (check the version of the docker-compose)**

**HELP:**

1. **docker --help (helpful to get all the different docker commands)**
2. **docker images --help (helpful to get all the different docker images commands)**
3. **docker container --help (helpful to get all the different docker container commands)**

**PULL:**

1. **docker pull <Image\_Name> (pulling the docker images available in docker hub)**
2. **docker pull alpine (pulling the latest docker images of alpine available in docker hub)**
3. **docker pull alpine:3.12 (pulling the specific version docker images of alpine available in docker hub)**
4. **docker pull alpine:latest (pulling the latest docker images of alpine available in docker hub)**

**IMAGES:**

1. **docker images (to see all the pulled images)**
2. **docker images -a (to see a specific image named ‘a’)**

**RUN:**

1. **docker run <Image\_Name> (Run the specific Image on the local and if the same was not present it will download and run on local machine)**
2. **docker run -p 9091:9092 IMAGEID/ImageName** (**container port is 9092 on which application is working and for that I am exposing 9091 for my host machine**)

**PS:**

1. **docker ps (list container)**
2. **docker ps -a (list all container)**

**INSPECT:**

1. **docker inspect <ObjectName> (provides detailed information on constructs controlled by Docker)**

**LOGS:**

1. **docker logs <container> (To gets the logs of the particular container)**

**START/STOP/KILL:**

1. **docker stop <containerID> (To stop the container gracefully)**
2. **docker start <containerID> (To start the container gracefully)**
3. **docker kill <containerID> (To kill the container instantaneously)**

**EXEC: (To execute a particular command/ series of commands on your container)**

1. **docker exec <container>**
2. **docker exec it <container> bash(for example)**