Lab Exercise 3– Volume in Docker

Steps to Complete:

1. View all Volume in Docker

Command : docker volume ls

```
RADHIKA@RADHIKA MINGW64 ~/Downloads/ACO_LAB/ACO-LAB-2021-25-SUBMISSION (main)
$ docker volume ls
DRIVER     VOLUME NAME
```

2. Create a new Volume

Command: docker volume create myvol1

```
RADHIKA@RADHIKA MINGW64 ~/Downloads/ACO_LAB/ACO-LAB-2021-25-SUBMISSION (main)
$ docker volume create myvol1
myvol1
```

3. Mount a Volume with a container

Command: docker run -it -v myvol1:/data redis /bin/bash

```
C:\Users\RADHIKA>docker run -it -v myvol1:/data redis /bin/bash
Unable to find image 'redis:latest' locally
latest: Pulling from library/redis
a378f10b3218: Pull complete
b266cd8112a6: Pull complete
7ba86e6448de: Pull complete
3aeb7c9e9a5f: Pull complete
de3be2a98bda: Pull complete
4f4fb700ef54: Pull complete
98e18d21aa3b: Pull complete
Digest: sha256:1f1bd4adf5dabf173b235ba373faef55f3ad53394791d1473763bf5a2181780d
Status: Downloaded newer image for redis:latest
root@28616fc2a9b6:/data# |
```

4. Create another container and Mount with the same Volume

Command: docker run -it -v myvol2:/data redis /bin/bash

5. See the complete working of container

6. Exited from container and restart again to see the persistent of Docker Volume

```
C:\Users\Administrator>docker start 0a4c04d42a96

C:\Users\Administrator>docker attach 0a4c04d42a96

root@0a4c04d42a96:/data# ls

abc.txt  test

root@0a4c04d42a96:/data#
```