Submitted By: **AKSHAT KAUSHIK**
SAP ID: **500067066**
Roll No.: **R171218012**

EXPERIMENT 2

AIM: Creating a shared volume in Docker

```
imakshat@Akshat-Ubuntu:~$ sudo docker ps -a
[sudo] password for imakshat:
CONTAINER ID    IMAGE         COMMAND       CREATED            STATUS                      PORTS      NAMES
ac95ca241310    ubuntu        "/bin/bash"   44 minutes ago     Exited (0) 42 minutes ago              romantic_pascal
e83f9dec05d0    ubuntu        "/bin/bash"   45 minutes ago     Exited (0) 42 minutes ago              clever_cori
798723fdc2a5    ubuntu        "/bin/bash"   47 minutes ago     Exited (0) 46 minutes ago              vigorous_bohr
444c4366324a    ubuntu        "/bin/bash"   48 minutes ago     Up 48 minutes                          silly_lovelace
85e1278c2215    ubuntu        "/bin/bash"   52 minutes ago     Exited (0) 50 minutes ago              amazing_hoover
a361d1adeb9e    hello-world   "/hello"      About an hour ago  Exited (0) About an hour ago           nostalgic_moser
imakshat@Akshat-Ubuntu:~$
```

Docker A

```
imakshat@Akshat-Ubuntu:~$ sudo docker run -it -v mVol:/mnt ubuntu
root@56154ab39a40:/#
```

```
root@56154ab39a40:/mnt# touch B.txt
root@56154ab39a40:/mnt# ls
A.txt   B.txt
root@56154ab39a40:/mnt#
```

Docker B

```
imakshat@Akshat-Ubuntu:~$ sudo docker run -it -v mVol:/mnt ubuntu
[sudo] password for imakshat:
root@85d61eb41773:/#
```

```
root@85d61eb41773:/mnt# ls
A.txt   B.txt
root@85d61eb41773:/mnt#
```

Docker Volume Inspect

```
imakshat@Akshat-Ubuntu:~$ sudo docker volume inspect mVol
[
    {
        "CreatedAt": "2021-01-29T13:29:05+05:30",
        "Driver": "local",
        "Labels": null,
        "Mountpoint": "/var/lib/docker/volumes/mVol/_data",
        "Name": "mVol",
        "Options": null,
        "Scope": "local"
    }
]
imakshat@Akshat-Ubuntu:~$
```