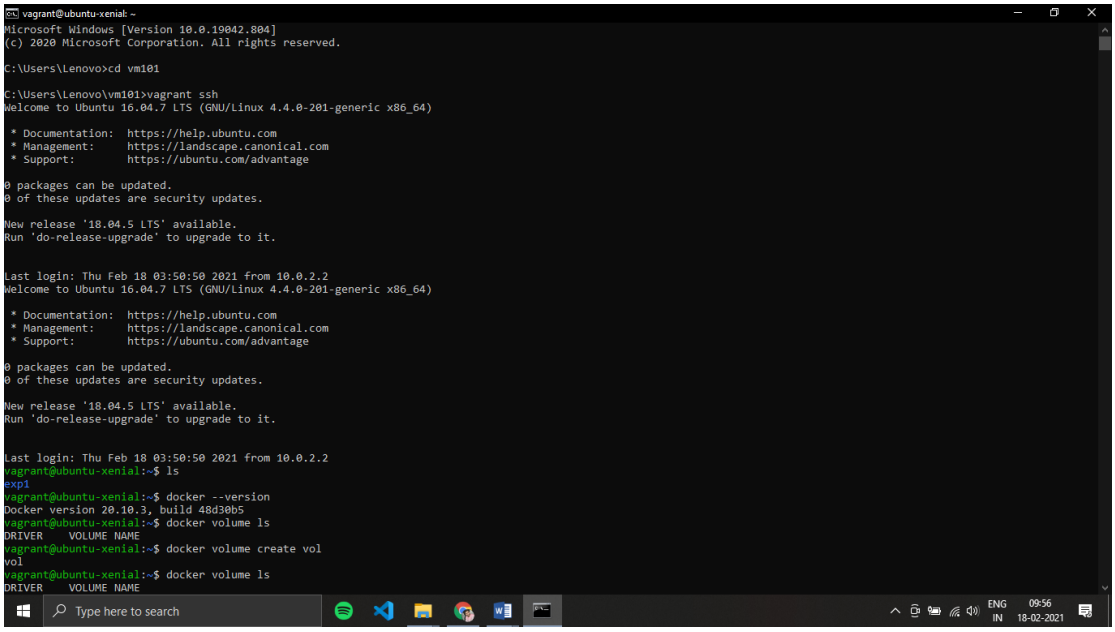
Name – Ankur Sehrawat

Cse-DevOps b1

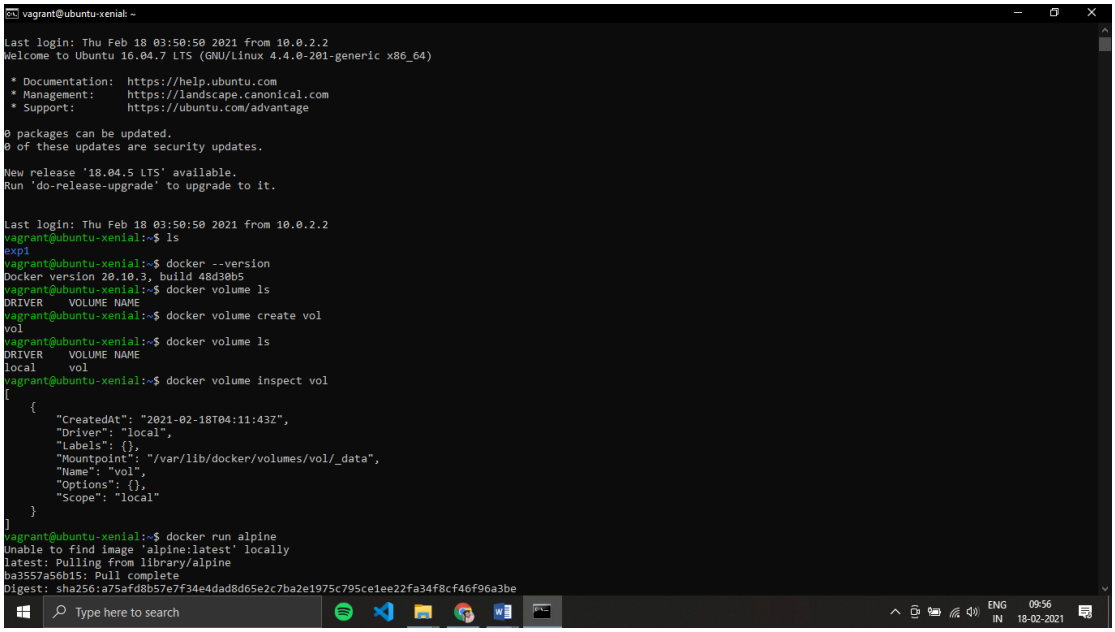
Experiment -2

Aim- To create Docker volume and attach it with Containers for persistent storage.

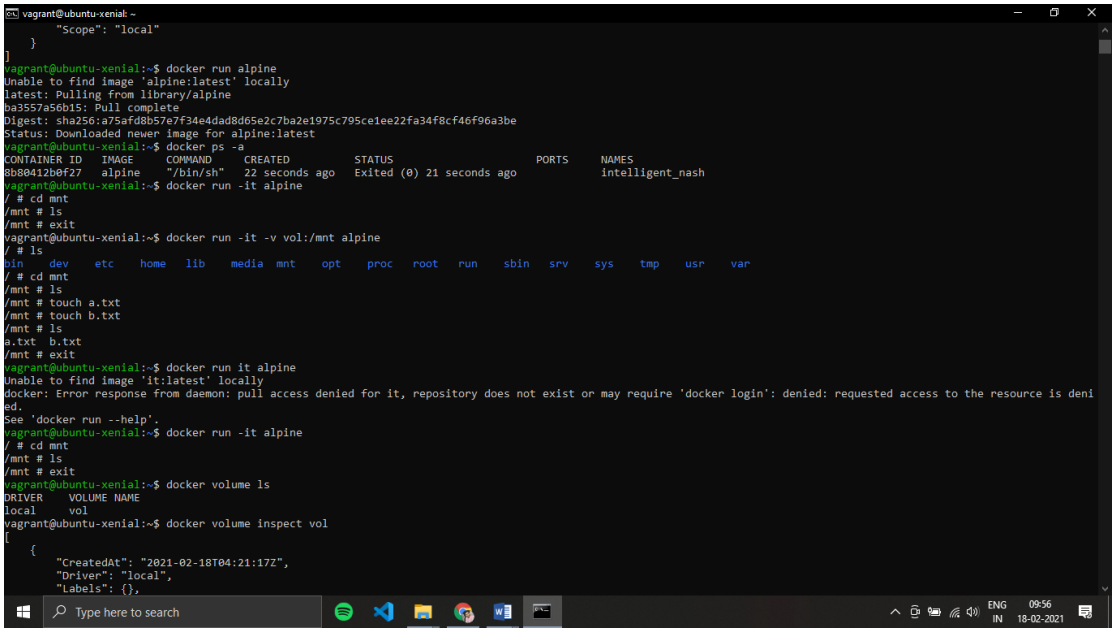
1) To create persistent volume in Docker, use command **docker volume create <volume-name>**. After creating volume we can see all the Docker volumes with the help of command **docker volume ls**.

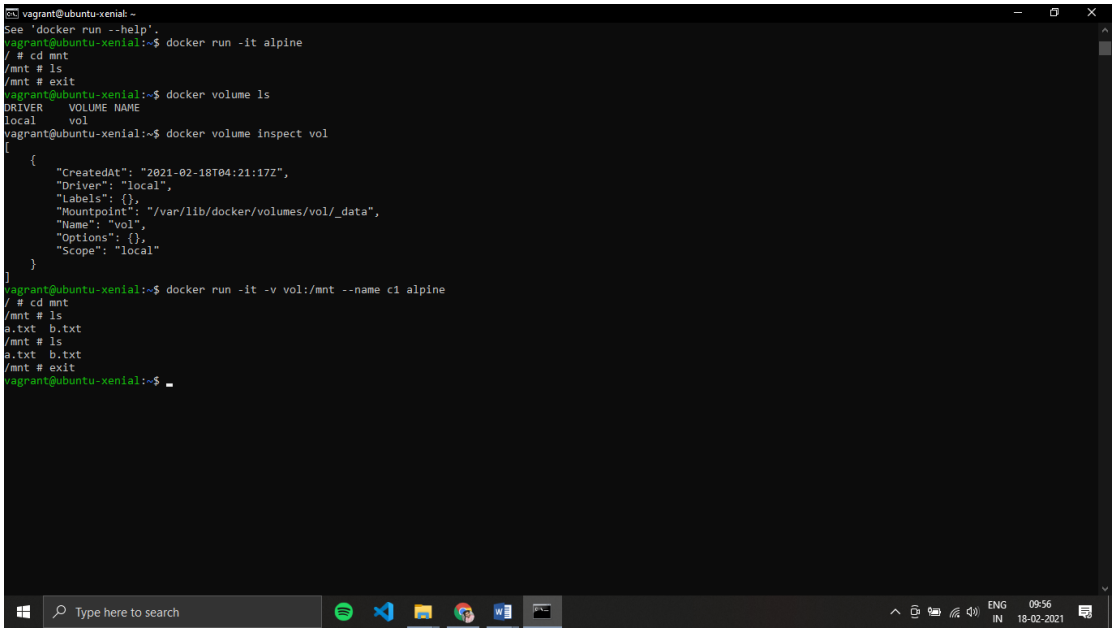


2) Now while launching container use option **-v** to attach volume to any directory inside the container. Inside the container, store any file or data in the directory attached to volume.



3) Now launch another container and attach the same volume with any directory inside the container. Inside the container, we can see same file and data that we stored on another container.




vagrant@ubuntu-xenial: ~
See 'docker run --help'.
vagrant@ubuntu-xenial:~$ docker run -it alpine
/ # cd mnt
/mnt # ls
/mnt # exit
vagrant@ubuntu-xenial:~$ docker volume ls
DRIVER VOLUME NAME
local vol
vagrant@ubuntu-xenial:~$ docker volume inspect vol
[
{
"CreatedAt": "2021-02-18T04:21:17Z",
"Driver": "local",
"Labels": {},
"Mountpoint": "/var/lib/docker/volumes/vol/_data",
"Name": "vol",
"Options": {},
"Scope": "local"
}
]
vagrant@ubuntu-xenial:~$ docker run -it -v vol:/mnt --name c1 alpine
/ # cd mnt
/mnt # ls
a.txt b.txt
/mnt # ls
a.txt b.txt
/mnt # exit
vagrant@ubuntu-xenial:~$
Type here to search
ENG
IN
09:56
18-02-2021