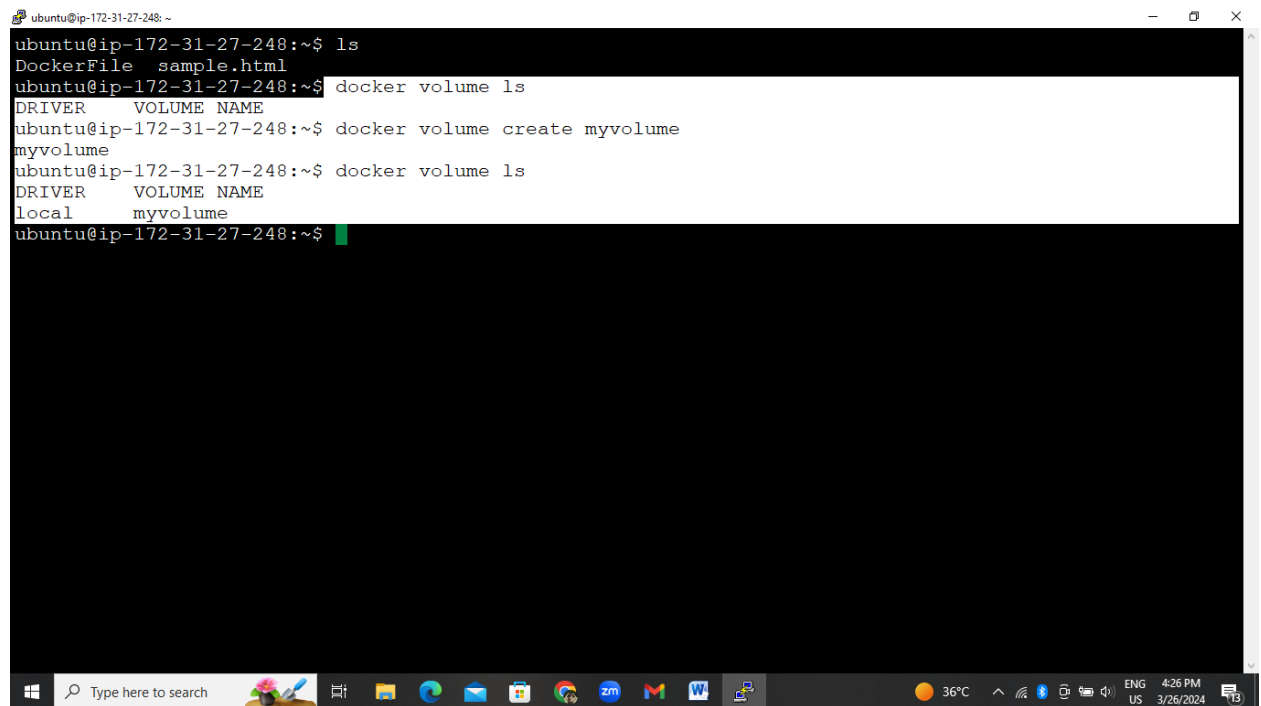


Module-4: Docker - II: Assignment - 1

You have been asked to:

- Launch the Apache2 container created in previous module
- Create a Docker volume on /var/www/html

Please submit the commands, in order to complete this assignment



```
ubuntu@ip-172-31-27-248: ~  
ubuntu@ip-172-31-27-248:~$ ls  
DockerFile  sample.html  
ubuntu@ip-172-31-27-248:~$ docker volume ls  
DRIVER      VOLUME NAME  
ubuntu@ip-172-31-27-248:~$ docker volume create myvolume  
myvolume  
ubuntu@ip-172-31-27-248:~$ docker volume ls  
DRIVER      VOLUME NAME  
local       myvolume  
ubuntu@ip-172-31-27-248:~$
```

```
ubuntu@ip-172-31-27-248: ~$ docker run -d -it -P --mount type=volume,src=myvolume,target=/var/www/html
"docker run" requires at least 1 argument.
See 'docker run --help'.

Usage:  docker run [OPTIONS] IMAGE [COMMAND] [ARG...]

Create and run a new container from an image
ubuntu@ip-172-31-27-248:~$ docker run -d -it -P --mount type=volume,src=myvolume,target=/var/www/html m
yappl:v1
d2b42b8d5adfa790838248526d39483ee2a7e242ede6d3c2c6588d9b35fbb576
ubuntu@ip-172-31-27-248:~$
```

```
root@d2b42b8d5adf:/var/www/html# nano index.html
root@d2b42b8d5adf:/var/www/html# exit
exit
ubuntu@ip-172-31-27-248:~$ docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS
d2b42b8d5adf	myappl:v1	"/usr/sbin/apachectl..."	5 minutes ago	Up 5 minutes	0.0.0.0:32769->80/tcp
357d92e0236c	myappl:v1	"/usr/sbin/apachectl..."	8 minutes ago	Up 8 minutes	0.0.0.0:32768->80/tcp
cd435466a334	myappl:v1	"/usr/sbin/apachectl..."	27 minutes ago	Up 27 minutes	0.0.0.0:82->80/tcp
e38c8fcd9e92	44191c94153b	"/usr/sbin/apachectl..."	36 minutes ago	Up 36 minutes	0.0.0.0:88->80/tcp
b9e4ade241f7	myappl:v1	"/usr/sbin/apachectl..."	2 hours ago	Up 2 hours	0.0.0.0:80->80/tcp
841b2e3e7d88	ubuntu_apache_running:v1	"/bin/bash"	4 hours ago	Up 4 hours	0.0.0.0:81->80/tcp
a5fb42526764	ubuntu	"/bin/bash"	5 hours ago	Up 5 hours	0.0.0.0:80->80/tcp

```
ubuntu@ip-172-31-27-248:~$
```

```
root@d2b42b8d5adf: /var/www/html
ubuntu@ip-172-31-27-248:~$ docker run -d -it -P --mount type=volume,src=myvolume,target=/var/www/html
"docker run" requires at least 1 argument.
See 'docker run --help'.

Usage:  docker run [OPTIONS] IMAGE [COMMAND] [ARG...]

Create and run a new container from an image
ubuntu@ip-172-31-27-248:~$ docker run -d -it -P --mount type=volume,src=myvolume,target=/var/www/html m
yapp1:vl
d2b42b8d5adfa790838248526d39483ee2a7e242ede6d3c2c6588d9b35fbb576
ubuntu@ip-172-31-27-248:~$ ls
DockerFile  sample.html
ubuntu@ip-172-31-27-248:~$ docker exec -it d2b42b8d5adfa790838248526d39483ee2a7e242ede6d3c2c6588d9b35fbb
576 /bin/bash
root@d2b42b8d5adf:/var/www/html# cat index.html
<h1> Hello from Docker!!!!!!</h1>

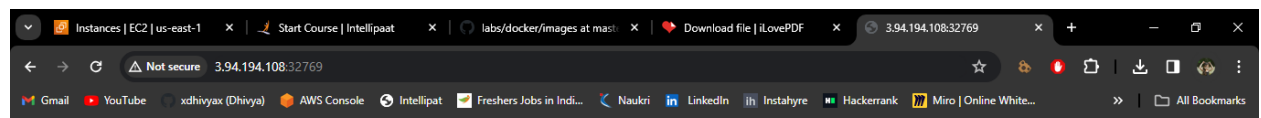
root@d2b42b8d5adf:/var/www/html# vi index.html
bash: vi: command not found
root@d2b42b8d5adf:/var/www/html# apt install vi
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
E: Unable to locate package vi
root@d2b42b8d5adf:/var/www/html# apt install nano
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Suggested packages:
  hunspell
```

```
root@d2b42b8d5adf: /var/www/html
GNU nano 6.2                                index.html
[h1] Hello from Docker This container have a volume !!!!!!!</h1>

[ Read 2 lines ]
^G Help      ^O Write Out ^W Where Is  ^K Cut       ^T Execute   ^C Location  M-U Undo
^X Exit      ^R Read File ^\ Replace  ^U Paste     ^J Justify   ^/_ Go To Line M-E Redo
```

```
ubuntu@ip-172-31-27-248: ~  
ubuntu@ip-172-31-27-248:~$ docker volume inspect myvolume  
[  
  {  
    "CreatedAt": "2024-03-26T10:54:32Z",  
    "Driver": "local",  
    "Labels": null,  
    "Mountpoint": "/var/lib/docker/volumes/myvolume/_data",  
    "Name": "myvolume",  
    "Options": null,  
    "Scope": "local"  
  }  
]  
ubuntu@ip-172-31-27-248:~$
```

```
root@ip-172-31-27-248: /var/lib/docker/volumes/myvolume/_data  
root@ip-172-31-27-248:/var/lib/docker/volumes/myvolume# ls  
_data  
root@ip-172-31-27-248:/var/lib/docker/volumes/myvolume# cd _data/  
root@ip-172-31-27-248:/var/lib/docker/volumes/myvolume/_data# ls  
index.html  
root@ip-172-31-27-248:/var/lib/docker/volumes/myvolume/_data# cat index.html  
<h1> Hello from Docker This container have a volume !!!!!</h1>  
root@ip-172-31-27-248:/var/lib/docker/volumes/myvolume/_data#
```



Hello from Docker This container have a volume !!!!!

