Unit-1 Docker Practice

VOLUME SECTION:

1️⃣ Example 1 :

```
Windows PowerShell

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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows


PS C:\Users\sr302> docker volume create mydata

mydata

PS C:\Users\sr302> docker volume inspect mydata

[

  {

    "CreatedAt": "2026-02-07T07:08:27Z",

    "Driver": "local",

    "Labels": null,

    "Mountpoint": "/var/lib/docker/volumes/mydata/_data",

    "Name": "mydata",

    "Options": null,

    "Scope": "local"

  }

]

PS C:\Users\sr302>docker run -d -v mydata:/app/data --name my_container ubuntu

45d68e68c1b34bbd142de950651a4e69ef20119b9901e1f3d7bb9528d1e697c6

PS C:\Users\sr302> docker run -it -v mydata:/app/data ubuntu sh

# cd /app/data

echo "Hello Docker Volume" > file.txt

exit##
```

PS C:\Users\sr302> docker run -it -v mydata:/app/data ubuntu sh

 # cat /app/data/file.txt

Hello Docker Volume

#docker volume rm mydata

sh: 2: docker: not found

#exit

PS C:\Users\sr302>docker rm $(docker ps -aq)

b86ec3f05f30

784717e4003c

45d68e68c1b3

5f9a5a0e7e50

6c972dfb3589

93f8fc72e5e7

6034ff85a987

ae193bfb37dc

82515f2d2847

351586ca7581

dfd88e3ebb41

f5651d3b5a6a

2efa330296b2

ae04a14aa2eb

1a6cb7e7f1de

c9cebccc0f48

5bd50702b144

a28b7d62446d

5ec4340b79a8

f363f2ae734a

b42bae970c35

ad03dfb3c6db

3fd2c34e69b6

53cf1d289007

7443a5cddd09

c46f16b228a8

2ca7912eb8ff

9172811adc4c

64e85ff54f43

PS C:\Users\sr302> docker stop $(docker ps -q)

0285c552261e

8b3f40ea41f8

e90a9039a58e

b58323f83378

cf164df82c56

PS C:\Users\sr302> docker rm -f $(docker ps -aq)

0285c552261e

8b3f40ea41f8

e90a9039a58e

b58323f83378

cf164df82c56

PS C:\Users\sr302> docker volume rm mydata

mydata

PS C:\Users\sr302> docker volume prune

WARNING! This will remove anonymous local volumes not used by at least one container.

Are you sure you want to continue? [y/N]y

Deleted Volumes:

06d94dd642a54a6323b728994a74aa603c0fc437c34fc302cd53fb6c20403dc1

fbc799a6d7ae69cf86ac1c69f9ce79a9afeec99aae6066f25bd4d6107e8c287c

bbb9083b4cc2cf11d4f20c846df6d33d8b1f44df2aea4afc4d1b26ad07640188

Total reclaimed space: 420.5MB

PS C:\Users\sr302>