Create a Docker volume named studentdata.

cmd= docker volume create studentdata
docker volume ls
docker volume inspect studentdata

Run an Ubuntu container and mount studentdata at /student.
cmd= docker run -it --name c1 -v studentdata:/student ubuntu bash
root@f00c3069d592:/# cd /student
echo "Hello from container c1" > note.txt
ls
cat note.txt
exit

Create a file inside the container and verify it persists after container deletion.
cmd= docker rm c1

Attach the same volume to another container and verify the file exists.
cmd= docker run -it --name c2 -v studentdata:/student ubuntu bash
root@5dbc3b1c57b1:/# ls /student
cat /student/note.txt
exit

Demonstrate data sharing between two containers using a shared volume.
cmd= docker run -d --name c3 -v studentdata:/student ubuntu sleep infinity
docker run -d --name c4 -v studentdata:/student ubuntu sleep infinity

Show that deleting a container does NOT delete the volume data.
cmd= docker rm -f c2 c3 c4