vijesh@LAPTOP-TU9HMCKU:/mnt/d/VIJESH\_STUDY/Dev-Ops/DevOps$ mkdir test\_dir **// Create a directory named test\_dir using mkdir.**

vijesh@LAPTOP-TU9HMCKU:/mnt/d/VIJESH\_STUDY/Dev-Ops/DevOps$ ls

CHANGELOG.md LICENSE.md README.md Vijeshdev test\_dir

vijesh@LAPTOP-TU9HMCKU:/mnt/d/VIJESH\_STUDY/Dev-Ops/DevOps$ cd test\_dir

vijesh@LAPTOP-TU9HMCKU:/mnt/d/VIJESH\_STUDY/Dev-Ops/DevOps/test\_dir$ touch example.txt **// Inside test\_dir, create an empty file called example.txt.**

vijesh@LAPTOP-TU9HMCKU:/mnt/d/VIJESH\_STUDY/Dev-Ops/DevOps/test\_dir$ ls

example.txt

vijesh@LAPTOP-TU9HMCKU:/mnt/d/VIJESH\_STUDY/Dev-Ops/DevOps/test\_dir$ mv example.txt renamed\_example.txt **// Rename example.txt to renamed\_example.txt using mv**

vijesh@LAPTOP-TU9HMCKU:/mnt/d/VIJESH\_STUDY/Dev-Ops/DevOps/test\_dir$ ls

renamed\_example.txt

vijesh@LAPTOP-TU9HMCKU:/mnt/d/VIJESH\_STUDY/Dev-Ops/DevOps/test\_dir$ cd .

vijesh@LAPTOP-TU9HMCKU:/mnt/d/VIJESH\_STUDY/Dev-Ops/DevOps/test\_dir$ cd ..

vijesh@LAPTOP-TU9HMCKU:/mnt/d/VIJESH\_STUDY/Dev-Ops/DevOps$ cd \

>

vijesh@LAPTOP-TU9HMCKU:~$ ls

DevOps sshKEY.txt sshKEY.txt.pub

vijesh@LAPTOP-TU9HMCKU:~$ cd /home

vijesh@LAPTOP-TU9HMCKU:/home$ ls

vijesh

vijesh@LAPTOP-TU9HMCKU:/home$

vijesh@LAPTOP-TU9HMCKU:/home$ cd ..

vijesh@LAPTOP-TU9HMCKU:/$ ls

bin boot etc init lib.usr-is-merged lost+found mnt proc run sbin.usr-is-merged srv tmp var

bin.usr-is-merged dev home lib lib64 media opt root sbin snap sys usr

vijesh@LAPTOP-TU9HMCKU:/$ cd etc

vijesh@LAPTOP-TU9HMCKU:/etc$ cat passwd **// Use cat to display the contents of /etc/passwd.**

root:x:0:0:root:/root:/bin/bash

daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin

bin:x:2:2:bin:/bin:/usr/sbin/nologin

sys:x:3:3:sys:/dev:/usr/sbin/nologin

sync:x:4:65534:sync:/bin:/bin/sync

games:x:5:60:games:/usr/games:/usr/sbin/nologin

man:x:6:12:man:/var/cache/man:/usr/sbin/nologin

lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin

mail:x:8:8:mail:/var/mail:/usr/sbin/nologin

news:x:9:9:news:/var/spool/news:/usr/sbin/nologin

uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin

proxy:x:13:13:proxy:/bin:/usr/sbin/nologin

www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin

backup:x:34:34:backup:/var/backups:/usr/sbin/nologin

list:x:38:38:Mailing List Manager:/var/list:/usr/sbin/nologin

irc:x:39:39:ircd:/run/ircd:/usr/sbin/nologin

\_apt:x:42:65534::/nonexistent:/usr/sbin/nologin

nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin

systemd-network:x:998:998:systemd Network Management:/:/usr/sbin/nologin

systemd-timesync:x:996:996:systemd Time Synchronization:/:/usr/sbin/nologin

dhcpcd:x:100:65534:DHCP Client Daemon,,,:/usr/lib/dhcpcd:/bin/false

messagebus:x:101:101::/nonexistent:/usr/sbin/nologin

syslog:x:102:102::/nonexistent:/usr/sbin/nologin

systemd-resolve:x:991:991:systemd Resolver:/:/usr/sbin/nologin

uuidd:x:103:103::/run/uuidd:/usr/sbin/nologin

landscape:x:104:105::/var/lib/landscape:/usr/sbin/nologin

polkitd:x:990:990:User for polkitd:/:/usr/sbin/nologin

vijesh:x:1000:1000:,,,:/home/vijesh:/bin/bash

vijesh@LAPTOP-TU9HMCKU:/etc$ head -n 5 passwd **// Display only the first 5 lines of /etc/passwd using head.**

root:x:0:0:root:/root:/bin/bash

daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin

bin:x:2:2:bin:/bin:/usr/sbin/nologin

sys:x:3:3:sys:/dev:/usr/sbin/nologin

sync:x:4:65534:sync:/bin:/bin/sync

vijesh@LAPTOP-TU9HMCKU:/etc$ tail -n 5 passwd **// Display only the last 5 lines of /etc/passwd using tail.**

systemd-resolve:x:991:991:systemd Resolver:/:/usr/sbin/nologin

uuidd:x:103:103::/run/uuidd:/usr/sbin/nologin

landscape:x:104:105::/var/lib/landscape:/usr/sbin/nologin

polkitd:x:990:990:User for polkitd:/:/usr/sbin/nologin

vijesh:x:1000:1000:,,,:/home/vijesh:/bin/bash

vijesh@LAPTOP-TU9HMCKU:/etc$ cat passwd |grep root **// Use grep to find all lines containing the word "root" in /etc/passwd.**

root:x:0:0:root:/root:/bin/bash

vijesh@LAPTOP-TU9HMCKU:/etc$ cd /mnt/d

vijesh@LAPTOP-TU9HMCKU:/mnt/d$ ls

'$RECYCLE.BIN' Camera MY\_OFFICE\_PC Tour\_ooty\_waynad\_2025 inmakes

vijesh@LAPTOP-TU9HMCKU:/mnt/d$ cd VIJESH\_STUDY

vijesh@LAPTOP-TU9HMCKU:/mnt/d/VIJESH\_STUDY$ cd Dev-Ops

vijesh@LAPTOP-TU9HMCKU:/mnt/d/VIJESH\_STUDY/Dev-Ops$ cd DevOps

vijesh@LAPTOP-TU9HMCKU:/mnt/d/VIJESH\_STUDY/Dev-Ops/DevOps$ ls

CHANGELOG.md LICENSE.md README.md Vijeshdev test\_dir

vijesh@LAPTOP-TU9HMCKU:/mnt/d/VIJESH\_STUDY/Dev-Ops/DevOps$ zip -r test\_dir.zip test\_dir **// Compress the test\_dir directory into a file named test\_dir.zip using zip.**

adding: test\_dir/ (stored 0%)

adding: test\_dir/renamed\_example.txt (stored 0%)

vijesh@LAPTOP-TU9HMCKU:/mnt/d/VIJESH\_STUDY/Dev-Ops/DevOps$ ls

CHANGELOG.md LICENSE.md README.md Vijeshdev test\_dir test\_dir.zip

vijesh@LAPTOP-TU9HMCKU:/mnt/d/VIJESH\_STUDY/Dev-Ops/DevOps$ unzip test\_dir.zip -d unzipped\_dir **// Unzip test\_dir.zip into a new directory named unzipped\_dir.**

Archive: test\_dir.zip

creating: unzipped\_dir/test\_dir/

extracting: unzipped\_dir/test\_dir/renamed\_example.txt

vijesh@LAPTOP-TU9HMCKU:/mnt/d/VIJESH\_STUDY/Dev-Ops/DevOps$ wget <https://reqres.in/api/users?page=2> **// Use wget to download a file from a URL**

--2025-05-22 06:49:36-- https://reqres.in/api/users?page=2

Resolving reqres.in (reqres.in)... 104.26.11.213, 104.26.10.213, 172.67.73.173, ...

Connecting to reqres.in (reqres.in)|104.26.11.213|:443... connected.

HTTP request sent, awaiting response... 200 OK

Length: 1088 (1.1K) [application/json]

Saving to: ‘users?page=2’

users?page=2 100%[=================================================>] 1.06K --.-KB/s in 0.001s

2025-05-22 06:49:37 (830 KB/s) - ‘users?page=2’ saved [1088/1088]

vijesh@LAPTOP-TU9HMCKU:/mnt/d/VIJESH\_STUDY/Dev-Ops/DevOps$ ls

CHANGELOG.md LICENSE.md README.md Vijeshdev test\_dir test\_dir.zip unzipped\_dir 'users?page=2'

vijesh@LAPTOP-TU9HMCKU:/mnt/d/VIJESH\_STUDY/Dev-Ops/DevOps$ touch secure.txt // created file secure.txt

vijesh@LAPTOP-TU9HMCKU:/mnt/d/VIJESH\_STUDY/Dev-Ops/DevOps$ ls

CHANGELOG.md README.md secure.txt test\_dir.zip 'users?page=2'

LICENSE.md Vijeshdev test\_dir unzipped\_dir

vijesh@LAPTOP-TU9HMCKU:/mnt/d/VIJESH\_STUDY/Dev-Ops/DevOps$ chmod 444 secure.txt **// Create a file named secure.txt and change its permissions to read-only for everyone using chmod.**

vijesh@LAPTOP-TU9HMCKU:/mnt/d/VIJESH\_STUDY/Dev-Ops/DevOps$ ls -l secure.txt

-r-xr-xr-x 1 vijesh vijesh 0 May 22 06:50 secure.txt

vijesh@LAPTOP-TU9HMCKU:/mnt/d/VIJESH\_STUDY/Dev-Ops/DevOps$ export MY\_VAR= "Hello, Linux!"

-bash: export: `Hello, Linux!': not a valid identifier

vijesh@LAPTOP-TU9HMCKU:/mnt/d/VIJESH\_STUDY/Dev-Ops/DevOps$ export MY\_VAR="Hello, Linux!" **// Use export to set a new environment variable called MY\_VAR with the value "Hello, Linux!".**

vijesh@LAPTOP-TU9HMCKU:/mnt/d/VIJESH\_STUDY/Dev-Ops/DevOps$ echo $MY\_VAR

Hello, Linux!

vijesh@LAPTOP-TU9HMCKU:/mnt/d/VIJESH\_STUDY/Dev-Ops/DevOps$