```
cdac@DESKTOP-KQGUAH7: ~/LinuxAssignment                                    —    □    ✕

cdac@DESKTOP-KQGUAH7:~$ mkdir LinuxAssignment
cdac@DESKTOP-KQGUAH7:~$ cd LinuxAssignment
cdac@DESKTOP-KQGUAH7:~/LinuxAssignment$ touch file1.txt
cdac@DESKTOP-KQGUAH7:~/LinuxAssignment$ echo "Hello World!" > file1.txt
cdac@DESKTOP-KQGUAH7:~/LinuxAssignment$ cat file1.txt
Hello World!
cdac@DESKTOP-KQGUAH7:~/LinuxAssignment$ mkdir docs
cdac@DESKTOP-KQGUAH7:~/LinuxAssignment$ cp file1.txt docs/
cdac@DESKTOP-KQGUAH7:~/LinuxAssignment$ mv docs/file1.txt docs/file2.txt
cdac@DESKTOP-KQGUAH7:~/LinuxAssignment$ chmod 744 docs/file2.txt
cdac@DESKTOP-KQGUAH7:~/LinuxAssignment$ chown $USER docs/file2.txt
cdac@DESKTOP-KQGUAH7:~/LinuxAssignment$ ls -l
total 8
drwxr-xr-x 2 cdac cdac 4096 Feb 27 15:20 docs
-rw-r--r-- 1 cdac cdac   13 Feb 27 15:19 file1.txt
cdac@DESKTOP-KQGUAH7:~/LinuxAssignment$ ls -l /
total 2448
lrwxrwxrwx   1 root root       7 Apr 22  2024 bin -> usr/bin
drwxr-xr-x   2 root root    4096 Feb 26  2024 bin.usr-is-merged
drwxr-xr-x   2 root root    4096 Apr 22  2024 boot
drwxr-xr-x  16 root root    3560 Feb 27 14:23 dev
drwxr-xr-x  88 root root    4096 Feb 27 14:23 etc
drwxr-xr-x   3 root root    4096 Feb 27 07:42 home
-rwxrwxrwx   1 root root 2424984 Feb 12 00:59 init
lrwxrwxrwx   1 root root       7 Apr 22  2024 lib -> usr/lib
drwxr-xr-x   2 root root    4096 Apr  8  2024 lib.usr-is-merged
lrwxrwxrwx   1 root root       9 Apr 22  2024 lib64 -> usr/lib64
drwx------   2 root root   16384 Feb 24 15:13 lost+found
drwxr-xr-x   2 root root    4096 Jan 23 15:57 media
drwxr-xr-x   7 root root    4096 Feb 24 15:15 mnt
drwxr-xr-x   2 root root    4096 Jan 23 15:57 opt
dr-xr-xr-x 173 root root       0 Feb 27 14:23 proc
drwx------   3 root root    4096 Jan 23 15:59 root
drwxr-xr-x  18 root root     540 Feb 27 14:23 run
lrwxrwxrwx   1 root root       8 Apr 22  2024 sbin -> usr/sbin
drwxr-xr-x   2 root root    4096 Mar 31  2024 sbin.usr-is-merged
drwxr-xr-x   2 root root    4096 Feb 24 15:15 snap
drwxr-xr-x   2 root root    4096 Jan 23 15:57 srv
dr-xr-xr-x  11 root root       0 Feb 27 14:39 sys
drwxrwxrwt  12 root root    4096 Feb 27 14:57 tmp
drwxr-xr-x  12 root root    4096 Jan 23 15:57 usr
drwxr-xr-x  13 root root    4096 Feb 24 15:15 var
cdac@DESKTOP-KQGUAH7:~/LinuxAssignment$ find . -type f -name "*.txt"
./file1.txt
```

```
cdac@DESKTOP-KQGUAH7:~/LinuxAssignment$ find . -type f -name "*.txt"
./file1.txt
./docs/file2.txt
cdac@DESKTOP-KQGUAH7:~/LinuxAssignment$ grep "Hello" file1.txt
Hello World!
cdac@DESKTOP-KQGUAH7:~/LinuxAssignment$ date
Thu Feb 27 15:22:38 UTC 2025
cdac@DESKTOP-KQGUAH7:~/LinuxAssignment$ hostname -I
172.27.72.63
cdac@DESKTOP-KQGUAH7:~/LinuxAssignment$ ping -c 4 google.com
PING google.com (142.250.206.174) 56(84) bytes of data.
64 bytes from del11s22-in-f14.1e100.net (142.250.206.174): icmp_seq=1 ttl=52 time=100 ms
64 bytes from del11s22-in-f14.1e100.net (142.250.206.174): icmp_seq=2 ttl=52 time=91.2 ms
64 bytes from del11s22-in-f14.1e100.net (142.250.206.174): icmp_seq=3 ttl=52 time=91.8 ms
64 bytes from del11s22-in-f14.1e100.net (142.250.206.174): icmp_seq=4 ttl=52 time=87.9 ms

--- google.com ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 3004ms
rtt min/avg/max/mdev = 87.919/92.825/100.387/4.609 ms
cdac@DESKTOP-KQGUAH7:~/LinuxAssignment$ zip -r docs.zip docs
  adding: docs/ (stored 0%)
  adding: docs/file2.txt (stored 0%)
cdac@DESKTOP-KQGUAH7:~/LinuxAssignment$ mkdir extracted
cdac@DESKTOP-KQGUAH7:~/LinuxAssignment$ unzip docs.zip -d extracted
Archive:  docs.zip
   creating: extracted/docs/
 extracting: extracted/docs/file2.txt
cdac@DESKTOP-KQGUAH7:~/LinuxAssignment$ nano file1.txt
cdac@DESKTOP-KQGUAH7:~/LinuxAssignment$ sed -i 's/Hello/Hi/g' file1.txt
cdac@DESKTOP-KQGUAH7:~/LinuxAssignment$ cat file1.txt
Hi World!
cdac@DESKTOP-KQGUAH7:~/LinuxAssignment$ ^C
cdac@DESKTOP-KQGUAH7:~/LinuxAssignment$
```