```
V I C T U S@LAPTOP-FF66OUOI MINGW64 ~/Prajwal
$ pwd
/c/Users/V I C T U S/Prajwal
```

```
V I C T U S@LAPTOP-FF66OUOI MINGW64 ~/Prajwal
$ cd CSIT

V I C T U S@LAPTOP-FF66OUOI MINGW64 ~/Prajwal/CSIT
$
```

```
V I C T U S@LAPTOP-FF66OUOI MINGW64 ~/Prajwal/CSIT
$ cd ..

V I C T U S@LAPTOP-FF66OUOI MINGW64 ~/Prajwal
$
```

```
V I C T U S@LAPTOP-FF66OUOI MINGW64 ~/Prajwal
$ ls
BscCSIT.txt  CSIT/  Chaulagain  progarm.c  program.exe*  tempCodeRunnerFile.c  tempCodeRunnerFile.cpp  tempCodeRunnerFile.exe*  test.txt
```

```
V I C T U S@LAPTOP-FF66OUOI MINGW64 ~/Prajwal
$ ls -a
./  ../  .vscode/  BscCSIT.txt  CSIT/  Chaulagain  progarm.c  program.exe*  tempCodeRunnerFile.c  tempCodeRunnerFile.cpp  tempCodeRunnerFile.exe*  test.txt
```

```
V I C T U S@LAPTOP-FF66OUOI MINGW64 ~/Prajwal
$ ls -al
total 116
drwxr-xr-x 1 V  I  C  T  U  S 197121      0 Jun 26 07:32 ./
drwxr-xr-x 1 V  I  C  T  U  S 197121      0 Jul  3 07:40 ../
drwxr-xr-x 1 V  I  C  T  U  S 197121      0 Jun  7  2024 .vscode/
-rw-r--r-- 1 V  I  C  T  U  S 197121     24 Jun 12 07:21 BscCSIT.txt
drwxr-xr-x 1 V  I  C  T  U  S 197121      0 Jun 26 07:30 CSIT/
-rw-r--r-- 1 V  I  C  T  U  S 197121     24 Jun 12 07:21 Chaulagain
-rw-r--r-- 1 V  I  C  T  U  S 197121     56 Jun 26 07:19 progarm.c
-rwxr-xr-x 1 V  I  C  T  U  S 197121  40766 Jun 26 07:21 program.exe*
-rw-r--r-- 1 V  I  C  T  U  S 197121   2344 Sep  6  2024 tempCodeRunnerFile.c
-rw-r--r-- 1 V  I  C  T  U  S 197121    412 Aug 29  2024 tempCodeRunnerFile.cpp
-rwxr-xr-x 1 V  I  C  T  U  S 197121  42663 Sep  6  2024 tempCodeRunnerFile.exe*
-rw-r--r-- 1 V  I  C  T  U  S 197121     22 Jun 26 07:28 test.txt
```

```
V I C T U S@LAPTOP-FF66OUOI MINGW64 ~/Prajwal
$ ls -R
.:
BscCSIT.txt  CSIT/  Chaulagain  progarm.c  program.exe*  tempCodeRunnerFile.c  tempCodeRunnerFile.cpp  tempCodeRunnerFile.exe*  test.txt

./CSIT:
Chaulagain/  Prajwal/  myfile.txt  os/

./CSIT/Chaulagain:
con

./CSIT/Prajwal:

./CSIT/os:
```

```
V I C T U S@LAPTOP-FF66OUOI MINGW64 ~/Prajwal
$ ls -l
total 96
-rw-r--r-- 1 V  I  C  T  U  S 197121     24 Jun 12 07:21 BscCSIT.txt
drwxr-xr-x 1 V  I  C  T  U  S 197121      0 Jun 26 07:30 CSIT/
-rw-r--r-- 1 V  I  C  T  U  S 197121     24 Jun 12 07:21 Chaulagain
-rw-r--r-- 1 V  I  C  T  U  S 197121     56 Jun 26 07:19 progarm.c
-rwxr-xr-x 1 V  I  C  T  U  S 197121  40766 Jun 26 07:21 program.exe*
-rw-r--r-- 1 V  I  C  T  U  S 197121   2344 Sep  6  2024 tempCodeRunnerFile.c
-rw-r--r-- 1 V  I  C  T  U  S 197121    412 Aug 29  2024 tempCodeRunnerFile.cpp
-rwxr-xr-x 1 V  I  C  T  U  S 197121  42663 Sep  6  2024 tempCodeRunnerFile.exe*
-rw-r--r-- 1 V  I  C  T  U  S 197121     22 Jun 26 07:28 test.txt
```

```
V I C T U S@LAPTOP-FF66OUOI MINGW64 ~/Prajwal
$ touch Prajwal.txt
```

```
V I C T U S@LAPTOP-FF66OUOI MINGW64 ~/Prajwal
$ echo "Hello World"
Hello World
```

```
V I C T U S@LAPTOP-FF66OUOI MINGW64 ~/Prajwal
$ cat Prajwal.txt
This is Prajwal
```

```
V I C T U S@LAPTOP-FF66OUOI MINGW64 ~/Prajwal
$ cp Prajwal.txt CSIT/
```

```
V I C T U S@LAPTOP-FF66OUOI MINGW64 ~/Prajwal
$ mv Prajwal.txt CSIT/
```

```
V I C T U S@LAPTOP-FF66OUOI MINGW64 ~/Prajwal
$ mkdir Prajwal_Chaulagain
```

```
V I C T U S@LAPTOP-FF66OUOI MINGW64 ~/Prajwal
$ rmdir Prajwal_Chaulagain
```

```
prajwal@LAPTOP-FF66OUOI:~$ sudo apt update
[sudo] password for prajwal:
Hit:1 http://archive.ubuntu.com/ubuntu jammy InRelease
Get:2 http://archive.ubuntu.com/ubuntu jammy-updates InRelease [128 kB]
Get:3 http://security.ubuntu.com/ubuntu jammy-security InRelease [129 kB]
Get:4 http://archive.ubuntu.com/ubuntu jammy-backports InRelease [127 kB]
Fetched 384 kB in 3s (115 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
105 packages can be upgraded. Run 'apt list --upgradable' to see them.
```

```
V I C T U S@LAPTOP-FF66OUOI MINGW64 ~/Prajwal
$ df
Filesystem              1K-blocks      Used Available Use% Mounted on
C:/Program Files/Git 498956284 88685284 410271000  18% /
```

```
V I C T U S@LAPTOP-FF66OUOI MINGW64 ~/Prajwal
$ du
1         ./.vscode
1         ./CSIT/Chaulagain
0         ./CSIT/os
0         ./CSIT/Prajwal
3         ./CSIT
104       .
```

```
V I C T U S@LAPTOP-FF66OUOI MINGW64 ~/Prajwal
$ date
Thu Jul  3 09:53:44 NST 2025
```

```
V I C T U S@LAPTOP-FF66OUOI MINGW64 ~/Prajwal
$ time

real    0m0.002s
user    0m0.000s
sys     0m0.000s
```

```
prajwal@LAPTOP-FF66OUOI:~$ man date
```

```
DATE(1)                                        User Commands

NAME
      date - print or set the system date and time

SYNOPSIS
      date [OPTION]... [+FORMAT]
      date [-u|--utc|--universal] [MMDDhhmm[[CC]YY][.ss]]

DESCRIPTION
      Display the current time in the given FORMAT, or set the system date.

      Mandatory arguments to long options are mandatory for short options too.

      -d, --date=STRING
            display time described by STRING, not 'now'

      --debug
            annotate the parsed date, and warn about questionable usage to stderr
```

```
V I C T U S@LAPTOP-FF66OUOI MINGW64 ~/Prajwal
$ date --help
Usage: date [OPTION]... [+FORMAT]
  or:  date [-u|--utc|--universal] [MMDDhhmm[[CC]YY][.ss]]
Display the current time in the given FORMAT, or set the system date.

Mandatory arguments to long options are mandatory for short options too.
  -d, --date=STRING          display time described by STRING, not 'now'
      --debug                annotate the parsed date,
                              and warn about questionable usage to stderr
  -f, --file=DATEFILE        like --date; once for each line of DATEFILE
  -I[FMT], --iso-8601[=FMT]  output date/time in ISO 8601 format.
                              FMT='date' for date only (the default),
                              'hours', 'minutes', 'seconds', or 'ns'
                              for date and time to the indicated precision.
                              Example: 2006-08-14T02:34:56-06:00
  -R, --rfc-email            output date and time in RFC 5322 format.
                              Example: Mon, 14 Aug 2006 02:34:56 -0600
      --rfc-3339=FMT         output date/time in RFC 3339 format.
                              FMT='date', 'seconds', or 'ns'
                              for date and time to the indicated precision.
                              Example: 2006-08-14 02:34:56-06:00
  -r, --reference=FILE       display the last modification time of FILE
  -s, --set=STRING           set time described by STRING
  -u, --utc, --universal     print or set Coordinated Universal Time (UTC)
      --help     display this help and exit
      --version  output version information and exit
```

```
V I C T U S@LAPTOP-FF66OUOI MINGW64 ~/Prajwal
$ chmod 755 test.txt
```

```
V I C T U S@LAPTOP-FF66OUOI MINGW64 ~/Prajwal
$ ping google.com

Pinging google.com [2404:6800:4007:833::200e] with 32 bytes of data:
Reply from 2404:6800:4007:833::200e: time=110ms
Reply from 2404:6800:4007:833::200e: time=279ms
Reply from 2404:6800:4007:833::200e: time=172ms
Reply from 2404:6800:4007:833::200e: time=1798ms

Ping statistics for 2404:6800:4007:833::200e:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 110ms, Maximum = 1798ms, Average = 589ms
```

```
prajwal@LAPTOP-FF66OUOI:~$ host google.com
google.com has address 172.217.166.14
google.com has IPv6 address 2404:6800:4002:80c::200e
google.com mail is handled by 10 smtp.google.com.
```

```
prajwal@LAPTOP-FF66OUOI:~$ ip address
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
       valid_lft forever preferred_lft forever
    inet 10.255.255.254/32 brd 10.255.255.254 scope global lo
       valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
       valid_lft forever preferred_lft forever
2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc mq state UP group default qlen 1000
    link/ether 00:15:5d:1b:69:d9 brd ff:ff:ff:ff:ff:ff
    inet 172.29.130.51/20 brd 172.29.143.255 scope global eth0
       valid_lft forever preferred_lft forever
    inet6 fe80::215:5dff:fe1b:69d9/64 scope link
       valid_lft forever preferred_lft forever
```

Before

```
V I C T U S@LAPTOP-FF66OUOI MINGW64 ~/Prajwal
$ exit
```

After

```
V I C T U S@LAPTOP-FF66OUOI MINGW64 ~/Prajwal
$
```

```
prajwal@LAPTOP-FF66OUOI:~$  grep "test" prajwal.txt
This is a test file.
prajwal@LAPTOP-FF66OUOI:~$  grep -i "test" prajwal.txt
This is a test file.
prajwal@LAPTOP-FF66OUOI:~$ grep -c "test" prajwal.txt
1
prajwal@LAPTOP-FF66OUOI:~$  grep -R "test" prajwal.txt
This is a test file.
```

```
prajwal@LAPTOP-FF66OUOI:~$ kill 0
prajwal@LAPTOP-FF66OUOI:~$
```

```
prajwal@LAPTOP-FF66OUOI:~$ top
top - 17:44:53 up  2:44,  1 user,  load average: 0.07, 0.02, 0.00
Tasks:  25 total,   1 running,  24 sleeping,   0 stopped,   0 zombie
%Cpu(s):  0.0 us,  0.0 sy,  0.0 ni,100.0 id,  0.0 wa,  0.0 hi,  0.0 si,  0.0 st
MiB Mem :   7763.2 total,   7141.3 free,    354.2 used,    267.7 buff/cache
MiB Swap:   2048.0 total,   2048.0 free,      0.0 used.   7257.5 avail Mem

    PID USER      PR  NI    VIRT    RES    SHR S  %CPU  %MEM     TIME+ COMMAND
      1 root      20   0  165924  10600   7912 S   0.0   0.1   0:00.57 systemd
      2 root      20   0    3060   1664   1664 S   0.0   0.0   0:00.00 init-systemd(Ub
      6 root      20   0    3076   1864   1792 S   0.0   0.0   0:00.00 init
     60 root      19  -1   47828  14848  13952 S   0.0   0.2   0:00.47 systemd-journal
     84 root      20   0   22844   5888   4608 S   0.0   0.1   0:00.67 systemd-udevd
     89 systemd+  20   0   25672  13012   8832 S   0.0   0.2   0:00.14 systemd-resolve
     97 systemd+  20   0   89364   7040   6272 S   0.0   0.1   0:00.31 systemd-timesyn
    183 root      20   0    4308   2432   2304 S   0.0   0.0   0:00.04 cron
    187 message+  20   0    8584   4608   4096 S   0.0   0.1   0:00.17 dbus-daemon
    193 root      20   0   30136  18168   9984 S   0.0   0.2   0:00.10 networkd-dispat
    194 syslog    20   0  222404   4992   4352 S   0.0   0.1   0:00.04 rsyslogd
    197 root      20   0   15324   7168   6400 S   0.0   0.1   0:00.16 systemd-logind
    218 root      20   0    3240   2176   2048 S   0.0   0.0   0:00.00 agetty
```

```
prajwal@LAPTOP-FF660UOI:~$ htop
```

```
  PID USER      PRI  NI  VIRT   RES   SHR S CPU%▽MEM%   TIME+  Command
  997 prajwal    20   0  5560  4096  3328 R  0.7  0.1  0:00.13 htop
    1 root       20   0  162M 10600  7912 S  0.0  0.1  0:00.59 /sbin/init
    2 root       20   0  3060  1664  1664 S  0.0  0.0  0:00.00 /init
    6 root       20   0  3076  1864  1792 S  0.0  0.0  0:00.00 plan9 --control-socket 7 --log-level 4 --server-fd 8
    7 root       20   0  3076  1864  1792 S  0.0  0.0  0:00.00 plan9 --control-socket 7 --log-level 4 --server-fd 8
    8 root       20   0  3060  1664  1664 S  0.0  0.0  0:00.00 /init
```

```
prajwal@LAPTOP-FF660UOI:~$ sudo apt install ktorrent
[sudo] password for prajwal:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  alsa-topology-conf alsa-ucm-conf aspell aspell-en avahi-daemon cpp cpp-11 dictionaries-common
```

```
prajwal@LAPTOP-FF660UOI:~$ sudo apt update
Hit:1 http://security.ubuntu.com/ubuntu jammy-security InRelease
Hit:2 http://archive.ubuntu.com/ubuntu jammy InRelease
Hit:3 http://archive.ubuntu.com/ubuntu jammy-updates InRelease
Hit:4 http://archive.ubuntu.com/ubuntu jammy-backports InRelease
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
105 packages can be upgraded. Run 'apt list --upgradable' to see them.
```

```
prajwal@LAPTOP-FF660UOI:~$ sudo apt remove ktorrent
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
```

```
prajwal@LAPTOP-FF660UOI:~$ clear
```

```
V I C T U S@LAPTOP-FF660UOI MINGW64 ~/Prajwal
$ nano prajwal.c
```

```c
#include<stdio.h>

int main(){
        int a,b;
        printf("Enter two numbers to add:");
        scanf("%d %d", &a, &b);
        int sum=a+b;
        printf("The sum of the numbers is %d.\n", sum);
        return 0;
}
```

```
V I C T U S@LAPTOP-FF660UOI MINGW64 ~/Prajwal
$ gcc prajwal.c -o prajwal && ./prajwal.exe
Enter two numbers to add:8 9
The sum of the numbers is 17.
```