```
akshat@BT-21052474:~$ ls
hinamo.sh  variable.sh
akshat@BT-21052474:~$ pwd
/home/akshat
akshat@BT-21052474:~$ cd ..
akshat@BT-21052474:/home$ cd ..
akshat@BT-21052474:/$ pwd
/
akshat@BT-21052474:/$ cd home
akshat@BT-21052474:/home$ cd akshat
akshat@BT-21052474:~$ cd home
-bash: cd: home: No such file or directory
akshat@BT-21052474:~$ ls
hinamo.sh  variable.sh
akshat@BT-21052474:~$ touch testing.txt
akshat@BT-21052474:~$ ls
hinamo.sh  testing.txt  variable.sh
akshat@BT-21052474:~$ nano testing.txt
akshat@BT-21052474:~$ bash testing.txt
testing.txt: line 1: Hello: command not found
akshat@BT-21052474:~$ cat testing.txt
Hello World!
akshat@BT-21052474:~$ cp testing.txt copt.txt.
akshat@BT-21052474:~$ ls
copt.txt.  hinamo.sh  testing.txt  variable.sh
akshat@BT-21052474:~$ cat copy.txt
cat: copy.txt: No such file or directory
akshat@BT-21052474:~$ cat copy.txt.
cat: copy.txt.: No such file or directory
akshat@BT-21052474:~$ rm copt.txt.
akshat@BT-21052474:~$ ls
hinamo.sh  testing.txt  variable.sh
akshat@BT-21052474:~$ ls -l
total 12
-rwxr-xr-x 1 akshat akshat 315 Jan 11 19:20 hinamo.sh
-rw-r--r-- 1 akshat akshat  13 Jan 12 12:48 testing.txt
-rwxr-xr-x 1 akshat akshat 194 Jan 10 23:56 variable.sh
akshat@BT-21052474:~$ mkdir file
akshat@BT-21052474:~$ ls
file  hinamo.sh  testing.txt  variable.sh
akshat@BT-21052474:~$ rmdir file
akshat@BT-21052474:~$ ls
hinamo.sh  testing.txt  variable.sh
akshat@BT-21052474:~$ mv testing.txt 123.txt
akshat@BT-21052474:~$ ls
123.txt  hinamo.sh  variable.sh
akshat@BT-21052474:~$
```

```
Hell hereakshat@BT-21052474:~$ cat catedit.txt
Hell hereakshat@BT-21052474:~$ cd ../../..
akshat@BT-21052474:/$ pwd
/
akshat@BT-21052474:/$ ls
bin  boot  dev  etc  home  init  lib  lib32  lib64  libx32  lost+found  media
akshat@BT-21052474:/$ cd home
akshat@BT-21052474:/home$ cd ubuntu
-bash: cd: ubuntu: No such file or directory
akshat@BT-21052474:/home$ ls
akshat
akshat@BT-21052474:/home$ cd akshat
akshat@BT-21052474:~$ ls
123.txt  catedit.txt  hinamo.sh  variable.sh
akshat@BT-21052474:~$ echo "Hi mom"
Hi mom
akshat@BT-21052474:~$ nano himom.sh
akshat@BT-21052474:~$ bash himom.sh
Hi Mom
Enter your name
akshat
Welcome akshat
akshat@BT-21052474:~$ chmod +x himom.sh
akshat@BT-21052474:~$ ./himom.sh
Hi Mom
Enter your name
GG
Welcome GG
akshat@BT-21052474:~$ ls -al
total 48
drwxr-x--- 3 akshat akshat 4096 Jan 12 13:01 .
drwxr-xr-x 3 root   root   4096 Jan 10 22:46 ..
-rw------- 1 akshat akshat  733 Jan 12 00:21 .bash_history
-rw-r--r-- 1 akshat akshat  220 Jan 10 22:46 .bash_logout
-rw-r--r-- 1 akshat akshat 3771 Jan 10 22:46 .bashrc
drwxr-xr-x 3 akshat akshat 4096 Jan 10 22:59 .local
-rw-r--r-- 1 akshat akshat    0 Jan 12 11:07 .motd_shown
-rw-r--r-- 1 akshat akshat  807 Jan 10 22:46 .profile
-rw-r--r-- 1 akshat akshat    0 Jan 10 23:26 .sudo_as_admin_successful
-rw-r--r-- 1 akshat akshat   13 Jan 12 12:48 123.txt
-rw-r--r-- 1 akshat akshat    9 Jan 12 12:57 catedit.txt
-rwxr-xr-x 1 akshat akshat   91 Jan 12 13:01 himom.sh
-rwxr-xr-x 1 akshat akshat  315 Jan 11 19:20 hinamo.sh
-rwxr-xr-x 1 akshat akshat  194 Jan 10 23:56 variable.sh
akshat@BT-21052474:~$ ls -l
total 20
-rw-r--r-- 1 akshat akshat  13 Jan 12 12:48 123.txt
-rw-r--r-- 1 akshat akshat   9 Jan 12 12:57 catedit.txt
-rwxr-xr-x 1 akshat akshat  91 Jan 12 13:01 himom.sh
-rwxr-xr-x 1 akshat akshat 315 Jan 11 19:20 hinamo.sh
-rwxr-xr-x 1 akshat akshat 194 Jan 10 23:56 variable.sh
akshat@BT-21052474:~$
```

```
akshat@BT-21052474: ~

akshat@BT-21052474:~$ echo $$USSER
127USSER
akshat@BT-21052474:~$ echo $USER
akshat
akshat@BT-21052474:~$ echo $HOSTNAME
BT-21052474
akshat@BT-21052474:~$ echo $SHELL
/bin/bash
akshat@BT-21052474:~$ echo $PWD
/home/akshat
akshat@BT-21052474:~$ echo $RANDOM
8596
akshat@BT-21052474:~$ sudo apt install
[sudo] password for akshat:

[5]+  Stopped                 sudo apt install
akshat@BT-21052474:~$ ping youtube.com
^Z
[6]+  Stopped                 ping youtube.com
akshat@BT-21052474:~$ ping -f youtube.com
^Z
[7]+  Stopped                 ping -f youtube.com
akshat@BT-21052474:~$ ping local host
^Z
[8]+  Stopped                 ping local host
akshat@BT-21052474:~$ ping localhost
PING localhost (127.0.0.1) 56(84) bytes of data.
64 bytes from localhost (127.0.0.1): icmp_seq=1 ttl=64 time=0.034 ms
64 bytes from localhost (127.0.0.1): icmp_seq=2 ttl=64 time=0.043 ms
64 bytes from localhost (127.0.0.1): icmp_seq=3 ttl=64 time=0.037 ms
64 bytes from localhost (127.0.0.1): icmp_seq=4 ttl=64 time=0.044 ms
64 bytes from localhost (127.0.0.1): icmp_seq=5 ttl=64 time=0.049 ms
^Z
[9]+  Stopped                 ping localhost
akshat@BT-21052474:~$ date
Thu Jan 12 14:22:44 IST 2023
akshat@BT-21052474:~$ whoami
akshat
akshat@BT-21052474:~$ who
akshat@BT-21052474:~$ echo who
who
akshat@BT-21052474:~$ echo $(who)

akshat@BT-21052474:~$ ip link show
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN mode
   link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
2: bond0: <BROADCAST,MULTICAST,MASTER> mtu 1500 qdisc noop state DOWN mod
   link/ether 7e:0c:da:b9:7e:61 brd ff:ff:ff:ff:ff:ff
3: dummy0: <BROADCAST,NOARP> mtu 1500 qdisc noop state DOWN mode DEFAULT
   link/ether b6:47:5c:b8:7f:7b brd ff:ff:ff:ff:ff:ff
4: tunl0@NONE: <NOARP> mtu 1480 qdisc noop state DOWN mode DEFAULT group
   link/ipip 0.0.0.0 brd 0.0.0.0
```

```
akshat@BT-21052474: /mnt/c/Windows/system32
       link/ether 4e:df:06:2a:84:d4 brd ff:ff:ff:ff:ff:ff
3: dummy0: <BROADCAST,NOARP> mtu 1500 qdisc noop state DOWN group default qlen 1000
       link/ether b2:e7:74:ad:f3:80 brd ff:ff:ff:ff:ff:ff
4: tunl0@NONE: <NOARP> mtu 1480 qdisc noop state DOWN group default qlen 1000
       link/ipip 0.0.0.0 brd 0.0.0.0
5: sit0@NONE: <NOARP> mtu 1480 qdisc noop state DOWN group default qlen 1000
       link/sit 0.0.0.0 brd 0.0.0.0
6: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc mq state UP group default qlen 1000
       link/ether 00:15:5d:85:87:c7 brd ff:ff:ff:ff:ff:ff
       inet 172.19.73.157/20 brd 172.19.79.255 scope global eth0
          valid_lft forever preferred_lft forever
       inet6 fe80::215:5dff:fe85:87c7/64 scope link
          valid_lft forever preferred_lft forever
akshat@BT-21052474:/mnt/c/Windows/system32$ ip r
default via 172.19.64.1 dev eth0
172.19.64.0/20 dev eth0 proto kernel scope link src 172.19.73.157
akshat@BT-21052474:/mnt/c/Windows/system32$ ifconfig -a
Command 'ifconfig' not found, but can be installed with:
sudo apt install net-tools
akshat@BT-21052474:/mnt/c/Windows/system32$ ifconfig -a
Command 'ifconfig' not found, but can be installed with:
sudo apt install net-tools
akshat@BT-21052474:/mnt/c/Windows/system32$ passwd
Changing password for akshat.
Current password:
passwd: Authentication token manipulation error
passwd: password unchanged
akshat@BT-21052474:/mnt/c/Windows/system32$ ping google.com
ping: google.com: Temporary failure in name resolution
akshat@BT-21052474:/mnt/c/Windows/system32$ ping www.google.com
ping: www.google.com: Temporary failure in name resolution
akshat@BT-21052474:/mnt/c/Windows/system32$ ubuntu -v
ubuntu: command not found
akshat@BT-21052474:/mnt/c/Windows/system32$ nano --ver
 GNU nano, version 6.2
 (C) 1999-2011, 2013-2022 Free Software Foundation, Inc.
 (C) 2014-2022 the contributors to nano
 Compiled options: --disable-libmagic --enable-utf8
akshat@BT-21052474:/mnt/c/Windows/system32$ ubuntu --ver
ubuntu: command not found
akshat@BT-21052474:/mnt/c/Windows/system32$ _
```