

```
pri@BT-2105984: ~  
pri@BT-2105984:~$ pwd  
/home/pri  
pri@BT-2105984:~$ ls  
OsLAB  info.txt  pri  
pri@BT-2105984:~$ who  
pri@BT-2105984:~$ cd desktop  
-bash: cd: desktop: No such file or directory  
pri@BT-2105984:~$ mkdir oslab  
pri@BT-2105984:~$ pwd  
/home/pri  
pri@BT-2105984:~$ cd oslab  
pri@BT-2105984:~/oslab$ cal  
January 2023  
Su Mo Tu We Th Fr Sa  
1  2  3  4  5  6  7  
8  9 10 11 12 13 14  
15 16 17 18 19 20 21  
22 23 24 25 26 27 28  
29 30 31  
pri@BT-2105984:~/oslab$ date  
Thu Jan 12 23:27:18 IST 2023  
pri@BT-2105984:~/oslab$ cd ..  
pri@BT-2105984:~$ tree  
.  
├── OsLAB  
├── info.txt  
├── oslab  
└── pri  
  
2 directories, 2 files  
pri@BT-2105984:~$
```

```
priti@BT-2105984:~$ tac file.txt
hii i am priti.
priti@BT-2105984:~$ cat file.txt| cat | tac | tac |cat
hii i am priti.
priti@BT-2105984:~$ cut -dI -f2 file.txt
hii i am priti.
priti@BT-2105984:~$ touch yourfile.txt
priti@BT-2105984:~$ cp file.txt yourfile.txt
priti@BT-2105984:~$ echo i love sports. >>yourfile.txt
priti@BT-2105984:~$ comm file.txt yourfile.txt
        hii i am priti.
        i love sports.
priti@BT-2105984:~$ cat file.txt|yourfile.txt|tac
yourfile.txt: command not found
priti@BT-2105984:~$ cat file.txt| tee yourfile.txt|tac
hii i am priti.
priti@BT-2105984:~$ cat yourfile.txt
hii i am priti.
priti@BT-2105984:~$ ping amazon.com
PING amazon.com (52.94.236.248) 56(84) bytes of data.
64 bytes from 52.94.236.248 (52.94.236.248): icmp_seq=1 ttl=231 time=248 ms
64 bytes from 52.94.236.248 (52.94.236.248): icmp_seq=2 ttl=231 time=325 ms
64 bytes from 52.94.236.248 (52.94.236.248): icmp_seq=3 ttl=231 time=250 ms
64 bytes from 52.94.236.248 (52.94.236.248): icmp_seq=4 ttl=231 time=251 ms
64 bytes from 52.94.236.248 (52.94.236.248): icmp_seq=5 ttl=231 time=248 ms
64 bytes from 52.94.236.248 (52.94.236.248): icmp_seq=6 ttl=231 time=248 ms
64 bytes from 52.94.236.248 (52.94.236.248): icmp_seq=7 ttl=231 time=263 ms
64 bytes from 52.94.236.248 (52.94.236.248): icmp_seq=8 ttl=231 time=271 ms
64 bytes from 52.94.236.248 (52.94.236.248): icmp_seq=9 ttl=231 time=249 ms
^Z
[1]+  Stopped                  ping amazon.com
priti@BT-2105984:~$
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priti@BT-2105984: ~
priti@BT-2105984:~$ host amazon.com
amazon.com has address 52.94.236.248
amazon.com has address 54.239.28.85
amazon.com has address 205.251.242.103
amazon.com mail is handled by 5 amazon-smtp.amazon.com.
priti@BT-2105984:~$ dig domain

; <<>> DiG 9.18.1-lubuntu1.2-Ubuntu <<>> domain
;; global options: +cmd
;; Got answer:
;; -->HEADER<-- opcode: QUERY, status: NXDOMAIN, id: 36201
;; flags: qr aa rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; QUESTION SECTION:
;domain.                                IN      A

;; AUTHORITY SECTION:
.                86400    IN      SOA     a.root-servers.net. nstld.verisign-grs.com. 2023011200 1800 900 604800 86400

;; Query time: 1069 msec
;; SERVER: 172.23.80.1#53(172.23.80.1) (UDP)
;; WHEN: Thu Jan 12 23:58:12 IST 2023
;; MSG SIZE rcvd: 110

priti@BT-2105984:~$ mount
/dev/sdb on / type ext4 (rw,relatime,discard,errors=remount-ro,data=ordered)
none on /mnt/wsl type tmpfs (rw,relatime)
tools on /init type 9p (ro,relatime,dirsync,aname=tools,fmask=022,loose,access=client,msize=65536,trans=fd,rfd=7,wfd=7)
none on /dev type devtmpfs (rw,nosuid,relatime,size=3905940k,nr_inodes=976485,mode=755)
sysfs on /sys type sysfs (rw,nosuid,nodev,noexec,noatime)
proc on /proc type proc (rw,nosuid,nodev,noexec,noatime)
devpts on /dev/pts type devpts (rw,nosuid,noexec,noatime,gid=5,mode=620,ptmxmode=000)

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priti@BT-2105984: ~
priti@BT-2105984:~$ dig -x google.com

; <<>> DiG 9.18.1-lubuntu1.2-Ubuntu <<>> -x google.com
;; global options: +cmd
;; Got answer:
;; -->HEADER<-- opcode: QUERY, status: NXDOMAIN, id: 28842
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; QUESTION SECTION:
;com.google.in-addr.arpa.              IN      PTR

;; AUTHORITY SECTION:
in-addr.arpa.                3088    IN      SOA     b.in-addr-servers.arpa. nstld.iana.org. 2022090627 1800 900 604800 3600

;; Query time: 1219 msec
;; SERVER: 172.23.80.1#53(172.23.80.1) (UDP)
;; WHEN: Fri Jan 13 00:13:31 IST 2023
;; MSG SIZE rcvd: 120

priti@BT-2105984:~$

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priti@BT-2105984: ~
priti@BT-2105984:~$ sudo apt install whois
[sudo] password for priti:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following NEW packages will be installed:
  whois
0 upgraded, 1 newly installed, 0 to remove and 0 not upgraded.
Need to get 53.4 kB of archives.
After this operation, 279 kB of additional disk space will be used.
Get:1 http://archive.ubuntu.com/ubuntu jammy/main amd64 whois amd64 5.5.13 [53.4 kB]
Fetched 53.4 kB in 2s (35.2 kB/s)
Selecting previously unselected package whois.
(Reading database ... 48388 files and directories currently installed.)
Preparing to unpack .../whois_5.5.13_amd64.deb ...
Unpacking whois (5.5.13) ...
Setting up whois (5.5.13) ...
Processing triggers for man-db (2.10.2-1) ...
priti@BT-2105984:~$ whois flipkart.com
Domain Name: FLIPKART.COM
Registry Domain ID: 1009529768_DOMAIN_COM-VRSN
Registrar WHOIS Server: whois.godaddy.com
Registrar URL: http://www.godaddy.com
Updated Date: 2022-09-04T10:22:34Z
Creation Date: 2007-06-03T19:32:20Z
Registry Expiry Date: 2025-06-03T19:32:20Z
Registrar: GoDaddy.com, LLC
Registrar IANA ID: 146
Registrar Abuse Contact Email: abuse@godaddy.com
Registrar Abuse Contact Phone: 480-624-2505
Domain Status: clientDeleteProhibited https://icann.org/epp#clientDeleteProhibited
Domain Status: clientRenewProhibited https://icann.org/epp#clientRenewProhibited
Domain Status: clientTransferProhibited https://icann.org/epp#clientTransferProhibited
Domain Status: clientUpdateProhibited https://icann.org/epp#clientUpdateProhibited

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priti@BT-2105984: ~
priti@BT-2105984:~$ more file.txt
hii i am priti.
priti@BT-2105984:~$ ip a
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
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: bond0: <BROADCAST,MULTICAST,MASTER> mtu 1500 qdisc noop state DOWN group default qlen 1000
    link/ether 62:ee:99:aa:9f:4a brd ff:ff:ff:ff:ff:ff
3: dummy0: <BROADCAST,NOARP> mtu 1500 qdisc noop state DOWN group default qlen 1000
    link/ether fe:cb:2c:5a:28:cb 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:e7:c5:ca brd ff:ff:ff:ff:ff:ff
    inet 172.23.89.162/20 brd 172.23.95.255 scope global eth0
        valid_lft forever preferred_lft forever
    inet6 fe80::215:5dff:fee7:c5ca/64 scope link
        valid_lft forever preferred_lft forever
priti@BT-2105984:~$ gzip file.txt
priti@BT-2105984:~$ ls
Oslab  Oslab  file.txt.gz  file1  info.txt  oslab  priti  yourfile.txt
priti@BT-2105984:~$ zcat file.txt
hii i am priti.
priti@BT-2105984:~$ find .-name"*.txt"
find: './-name*.txt': No such file or directory
priti@BT-2105984:~$ find .-name"*.txt"
find: './-name*.txt': No such file or directory
priti@BT-2105984:~$ find . -name "*.txt"
./yourfile.txt

```

```
priti@BT-2105984:~$ cat --help
Usage: cat [OPTION]... [FILE]...
Concatenate FILE(s) to standard output.

With no FILE, or when FILE is -, read standard input.

-A, --show-all           equivalent to -vET
-b, --number-nonblank     number nonempty output lines, overrides -n
-e                        equivalent to -vE
-E, --show-ends          display $ at end of each line
-n, --number              number all output lines
-s, --squeeze-blank      suppress repeated empty output lines
-t                        equivalent to -vT
-T, --show-tabs          display TAB characters as ^I
-u                        (ignored)
-v, --show-nonprinting   use ^ and M- notation, except for LFD and TAB
--help                  display this help and exit
--version                output version information and exit

Examples:
  cat f - g  Output f's contents, then standard input, then g's contents.
  cat       Copy standard input to standard output.

GNU coreutils online help: <https://www.gnu.org/software/coreutils/>
Report any translation bugs to <https://translationproject.org/team/>
Full documentation <https://www.gnu.org/software/coreutils/cat>
or available locally via: info '(coreutils) cat invocation'
```

```
priti@BT-2105984:~$ cat file2
priti@BT-2105984:~$ cat >file2
kiit university
bhubaneswar
^Z
[5]+  Stopped                  cat > file2
priti@BT-2105984:~$ cat file2
kiit university
bhubaneswar
priti@BT-2105984:~$ vim file2
priti@BT-2105984:~$ cat file2
kiit university
bhubaneswar
cuttack
balaswar
priti@BT-2105984:~$ vim file2
priti@BT-2105984:~$ vim file2
priti@BT-2105984:~$ cat file2
kiit university
bhubaneswar
cuttack
```

```
priti@BT-2105984: ~/OsLAB × + ∨
priti@BT-2105984:~$ touch file.txt
priti@BT-2105984:~$ echo hii i am priti. >>file.txt
priti@BT-2105984:~$ cat file.txt
hii i am priti.
priti@BT-2105984:~$ touch myfile.txt
priti@BT-2105984:~$ cp file.txt myfile.txt
priti@BT-2105984:~$ cat file.txt
hii i am priti.
priti@BT-2105984:~$ echo good morning. >>myfile.txt
priti@BT-2105984:~$ cat myfile.txt
hii i am priti.
good morning.
priti@BT-2105984:~$ wc -l myfile.txt
2 myfile.txt
priti@BT-2105984:~$ wc -w myfile.txt
6 myfile.txt
priti@BT-2105984:~$ head -1 myfile.txt
hii i am priti.
priti@BT-2105984:~$ tail -2 myfile.txt
hii i am priti.
good morning.
priti@BT-2105984:~$ time

real    0m0.000s
user    0m0.000s
sys     0m0.000s
priti@BT-2105984:~$ times
0m0.052s 0m0.042s
0m0.014s 0m0.006s
```

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SEC : 20