

basic/general purpose commands

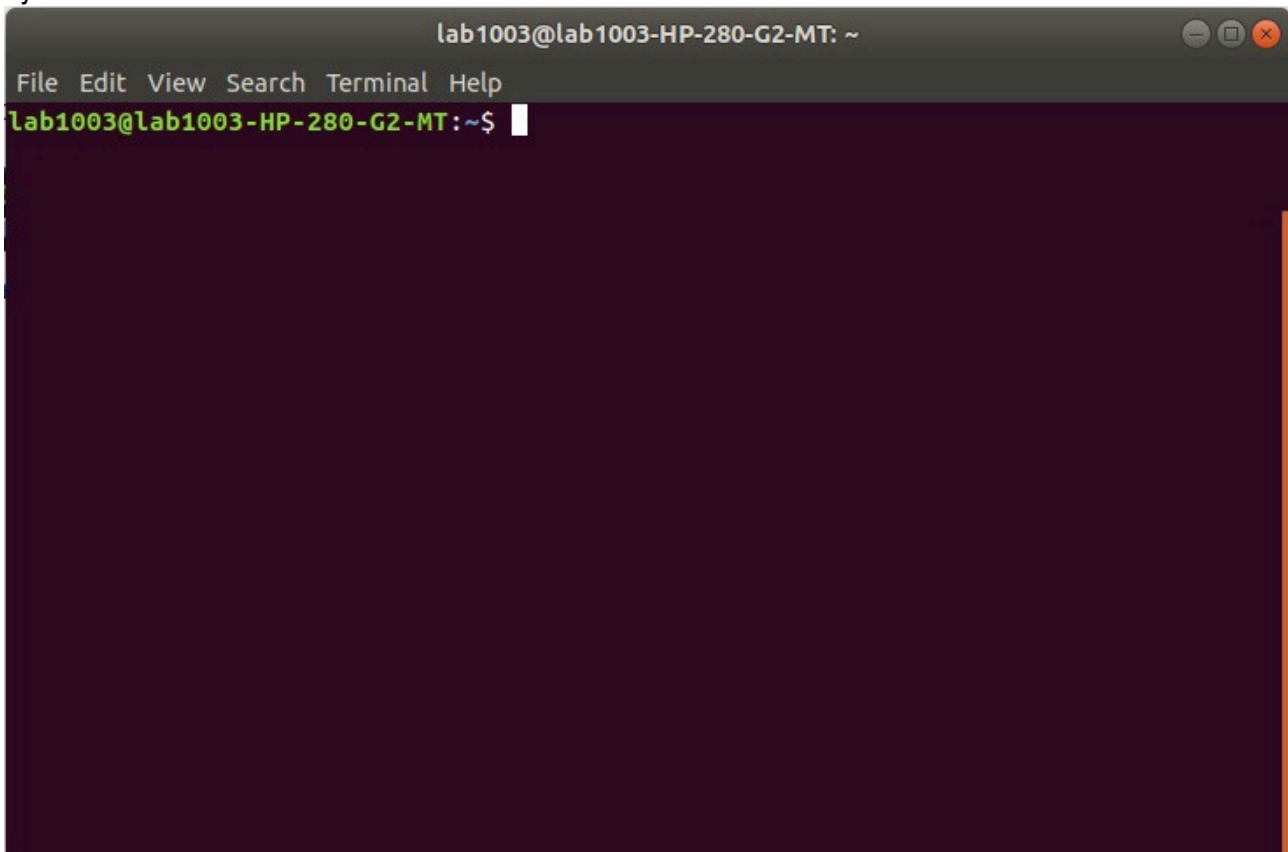
1. Echo

syntax – echo “Hello world”

```
lab1003@lab1003-HP-280-G2-MT:~$ echo "Hello world"
"Hello world"
```

2. Clear

syntax – clear



3. Exit

syntax – exit

4. Date

syntax – date

```
lab1003@lab1003-HP-280-G2-MT:~$ date
Wed Jan 31 14:56:13 IST 2024
```

5. Time

syntax – time <command>
name> example – time echo

```
lab1003@lab1003-HP-280-G2-MT:~$ time echo  
  
real    0m0.000s  
user    0m0.000s  
sys     0m0.000s
```

6. Uptime

syntax – uptime

```
lab1003@lab1003-HP-280-G2-MT:~$ uptime  
14:58:56 up 27 min,  1 user,  load average: 0.66, 0.91, 0.97
```

7. Cal

syntax – cal

```
lab1003@lab1003-HP-280-G2-MT:~$ cal  
      January 2024  
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
```

8. Cat

syntax – cat
<filename> example –

```
cat ramesh  
lab1003@lab1003-HP-280-G2-MT:~$ cat shrutik  
Hello , I am a file content
```

9. tty

syntax – tty

```
lab1003@lab1003-HP-280-G2-MT:~$ tty  
/dev/pts/0
```

10. man

syntax – man <command
name> example – man echo

```
ECHO(1)                                User Commands                                ECHO(1)

NAME
    echo - display a line of text

SYNOPSIS
    echo [SHORT-OPTION]... [STRING]...
    echo LONG-OPTION

DESCRIPTION
    Echo the STRING(s) to standard output.

    -n      do not output the trailing newline
    -e      enable interpretation of backslash escapes
    -E      disable interpretation of backslash escapes (default)
    --help  display this help and exit
    --version
            output version information and exit

Manual page echo(1) line 1 (press h for help or q to quit)
```

11. Which

syntax – which <command
name> example – which time

```
lab1003@lab1003-HP-280-G2-MT:~$ which time
/usr/bin/time
```

12. History

syntax – history

```
lab1003@lab1003-HP-280-G2-MT:~$ history
 1 IPconfig
 2 IFconfig
 3 traceroute
 4 ip
 5 if ;
 6 ip config
 7 ipconfiguration
 8 ipconfig
 9 traceroute
10 Traceroute
11 tracepath
12 ifconfig
13 traceroot
14 ipconfig
15 IPConfig
16 ping
17 ipconfig
18 ifconfig
19 iwconfig
20 IP
21 ip
22 ifconfig
23 ipconfig
```

13. id

syntax – id

```
lab1003@lab1003-HP-280-G2-MT:~$ id
uid=1000(lab1003) gid=1000(lab1003) groups=1000(lab1003),4(adm),24(cdrom),27(sudo),30(dip),46(plugdev),116(lpadmin),126(sambashare)
```

14. pwd

syntax – pwd

```
lab1003@lab1003-HP-280-G2-MT:~$ pwd
/home/lab1003
```

15. whoami

syntax – whoami

```
lab1003@lab1003-HP-280-G2-MT:~$ whoami
lab1003
```

16. ping

syntax - ping
<example.com> example -

```
lab1003@lab1003-HP-280-G2-MT:~$ ping google.com
PING google.com (142.251.42.46) 56(84) bytes of data:
64 bytes from bom12s20-in-f14.1e100.net (142.251.42.46): icmp_seq=1 ttl=58 time=5.26 ms
64 bytes from bom12s20-in-f14.1e100.net (142.251.42.46): icmp_seq=2 ttl=58 time=4.39 ms
64 bytes from bom12s20-in-f14.1e100.net (142.251.42.46): icmp_seq=3 ttl=58 time=2.98 ms
64 bytes from bom12s20-in-f14.1e100.net (142.251.42.46): icmp_seq=4 ttl=58 time=9.85 ms
64 bytes from bom12s20-in-f14.1e100.net (142.251.42.46): icmp_seq=5 ttl=58 time=3.18 ms
64 bytes from bom12s20-in-f14.1e100.net (142.251.42.46): icmp_seq=6 ttl=58 time=6.60 ms
64 bytes from bom12s20-in-f14.1e100.net (142.251.42.46): icmp_seq=7 ttl=58 time=2.98 ms
64 bytes from bom12s20-in-f14.1e100.net (142.251.42.46): icmp_seq=8 ttl=58 time=2.57 ms
64 bytes from bom12s20-in-f14.1e100.net (142.251.42.46): icmp_seq=9 ttl=58 time=2.92 ms
64 bytes from bom12s20-in-f14.1e100.net (142.251.42.46): icmp_seq=10 ttl=58 time=3.00 ms
64 bytes from bom12s20-in-f14.1e100.net (142.251.42.46): icmp_seq=11 ttl=58 time=2.59 ms
64 bytes from bom12s20-in-f14.1e100.net (142.251.42.46): icmp_seq=14 ttl=58 time=3.17 ms
64 bytes from bom12s20-in-f14.1e100.net (142.251.42.46): icmp_seq=15 ttl=58 time=3.22 ms
64 bytes from bom12s20-in-f14.1e100.net (142.251.42.46): icmp_seq=16 ttl=58 time=3.10 ms
64 bytes from bom12s20-in-f14.1e100.net (142.251.42.46): icmp_seq=17 ttl=58 time=2.63 ms
64 bytes from bom12s20-in-f14.1e100.net (142.251.42.46): icmp_seq=18 ttl=58 time=6.23 ms
64 bytes from bom12s20-in-f14.1e100.net (142.251.42.46): icmp_seq=19 ttl=58 time=2.63 ms
64 bytes from bom12s20-in-f14.1e100.net (142.251.42.46): icmp_seq=20 ttl=58 time=2.54 ms
64 bytes from bom12s20-in-f14.1e100.net (142.251.42.46): icmp_seq=21 ttl=58 time=6.58 ms
64 bytes from bom12s20-in-f14.1e100.net (142.251.42.46): icmp_seq=22 ttl=58 time=2.53 ms
64 bytes from bom12s20-in-f14.1e100.net (142.251.42.46): icmp_seq=23 ttl=58 time=3.01 ms
64 bytes from bom12s20-in-f14.1e100.net (142.251.42.46): icmp_seq=24 ttl=58 time=2.96 ms
```

17. ifconfig

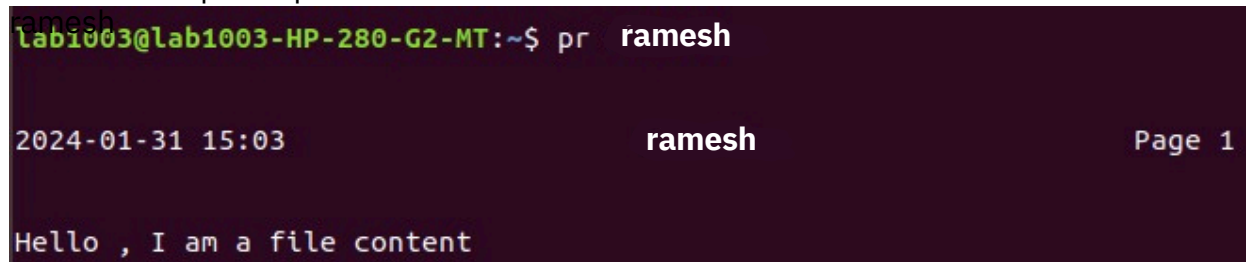
```
lab1003@lab1003-HP-280-G2-MT:~$ ifconfig
enp5s0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.1.105 netmask 255.255.255.0 broadcast 192.168.1.255
    inet6 fe80::547c:958e:92d0:26ea prefixlen 64 scopeid 0x20<link>
    ether a0:8c:fd:c4:b6:d4 txqueuelen 1000 (Ethernet)
    RX packets 43763 bytes 35880444 (35.8 MB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 20282 bytes 3212924 (3.2 MB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    inet6 ::1 prefixlen 128 scopeid 0x10<host>
    loop txqueuelen 1000 (Local Loopback)
    RX packets 1847 bytes 202482 (202.4 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 1847 bytes 202482 (202.4 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

wlp4s0: flags=4099<UP,BROADCAST,MULTICAST> mtu 1500
    ether 30:e3:7a:70:09:fe txqueuelen 1000 (Ethernet)
    RX packets 0 bytes 0 (0.0 B)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 0 bytes 0 (0.0 B)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

18. pr

syntax - pr <file
name> example - pr



A terminal window with a dark purple background. The prompt is 'lab1003@lab1003-HP-280-G2-MT:~\$'. The command 'pr ramesh' has been executed. The output shows the date and time '2024-01-31 15:03', the filename 'ramesh', and the page number 'Page 1'. Below this, the content of the file is displayed: 'Hello , I am a file content'.

```
lab1003@lab1003-HP-280-G2-MT:~$ pr ramesh
2024-01-31 15:03                ramesh                Page 1
Hello , I am a file content
```

19. lp

syntax - lp <file name>
example - lp ramesh

20. mail

syntax - mail -s "Subject" user@example.com
example - mail -s "Unix Assignment" ramesh.gupta.ssa@gmail.com