

Commands -

1) Name - date

Syntax - date

Description - Displays current date and time

```
tryhackme@linux1:~$ date  
Thu Sep 12 08:55:26 UTC 2024
```

2) Name - whoami

Syntax - whoami

Description -

```
tryhackme@linux1:~$ whoami  
tryhackme
```

3) Name - whatis

Syntax - whatis ls

Description - Displays the name of current user who is log in

```
tryhackme@linux1:~$ whatis ls  
ls (1) - list directory contents
```

4) Name - pwd

Syntax - pwd

Description - Displays the current working directory's full path

```
tryhackme@linux1:~$ pwd  
/home/tryhackme
```

5) Name - mkdir

Syntax - mkdir directory_name

Description - Creates new directories in the file system

```
tryhackme@linux1:~$ mkdir akshat  
tryhackme@linux1:~$ ls  
access.log akshat folder1 folder2 folder3 folder4
```

6) Name - rmdir

Syntax - rmdir directory_name

Description - Removes empty directories from the system.

```
tryhackme@linux1:~$ rmdir akshat
tryhackme@linux1:~$ ls
access.log  folder1  folder2  folder3  folder4
```

7) Name - ls

Syntax - ls

Description - Lists files and directories in the current working directory.

```
tryhackme@linux1:~$ ls
access.log  akshat  folder1  folder2  folder3  folder4
```

8) Name - ls-l

Syntax - ls-l

Description - Displays a long list of files and directories in a directory

```
tryhackme@linux1:~$ ls -l
total 84
-rw-rw-r-- 1 tryhackme tryhackme 65522 May 10 2021 access.log
drwxrwxr-x 2 tryhackme tryhackme 4096 Sep 12 09:18 akshat
drwxr-xr-x 2 tryhackme tryhackme 4096 May 10 2021 folder1
drwxr-xr-x 2 tryhackme tryhackme 4096 May 10 2021 folder2
drwxr-xr-x 2 tryhackme tryhackme 4096 May 10 2021 folder3
drwxr-xr-x 2 tryhackme tryhackme 4096 May 10 2021 folder4
```

9) Name - touch

Syntax - touch file_name

Description - Creating empty files and updating the timestamps of existing files.

```
tryhackme@linux1:~$ touch myfile
```

10) Name - cd

Syntax - cd directory_name

Description - Used to change the current working directory.

```
tryhackme@linux1:~$ cd akshat
tryhackme@linux1:~/akshat$ cd ..
tryhackme@linux1:~$
```

11) Name - cat

Syntax - cat file_name

Description - Displays file contents.

```
tryhackme@linux1:~$ cat myfile  
Hello my name is Akshat Mehta
```

12) Name - cat>

Syntax - cat>file_name

Description - Overwrite an existing file with new content.

```
tryhackme@linux1:~$ cat>myfile  
Hello my name is Akshat Mehta
```

13) Name - cat>>

Syntax - cat>>file_name

Description - Add something in the last of a file.

```
tryhackme@linux1:~$ cat>>myfile  
I am from Dewas.  
tryhackme@linux1:~$ cat myfile  
Hello my name is Akshat Mehta  
I am from Dewas.
```

14) Name - cp

Syntax - cp myfile newfile

Description - Copies files and directories.

```
tryhackme@linux1:~$ cp myfile newfile  
tryhackme@linux1:~$ cat newfile  
Hello my name is Akshat Mehta  
I am from Dewas.
```

15) Name - head

Syntax - head file_name

Description - Display the first 10 lines of files.

```
tryhackme@linux1:~$ cat>myfile
abc
def
ghi
jkl
mno
pqr
stu
vyx
yz
123
456
789
101112
```

```
tryhackme@linux1:~$ head myfile
abc
def
ghi
jkl
mno
pqr
stu
vyx
yz
123
```

16) Name - tail

Syntax - tail file_name

Description - Displays the last 10 lines of files.

```
tryhackme@linux1:~$ cat>myfile
abc
def
ghi
jkl
mno
pqr
stu
vyx
yz
123
456
789
101112
```

```
tryhackme@linux1:~$ tail myfile
jkl
mno
pqr
stu
vyx
yz
123
456
789
101112
```

17) Name - ls -a

Syntax - ls -a

Description - List all files including hidden files.

```
tryhackme@linux1:~$ ls -a
.      .bash_history  .cache      akshat      folder3
..     .bash_logout  .profile    folder1     folder4
.Xauthority .bashrc       access.log  folder2     myfile
```

18) Name - mv

Syntax -

Description - To move a file or directory to a new location.

```
tryhackme@linux1:~$ mv myfile newmyfile
tryhackme@linux1:~$ ls -l
total 88
-rw-rw-r-- 1 tryhackme tryhackme 65522 May 10 2021 access.log
drwxrwxr-x 2 tryhackme tryhackme 4096 Sep 13 07:16 akshat
drwxr-xr-x 2 tryhackme tryhackme 4096 May 10 2021 folder1
drwxr-xr-x 2 tryhackme tryhackme 4096 May 10 2021 folder2
drwxr-xr-x 2 tryhackme tryhackme 4096 May 10 2021 folder3
drwxr-xr-x 2 tryhackme tryhackme 4096 May 10 2021 folder4
-rw-rw-r-- 1 tryhackme tryhackme 54 Sep 13 07:10 newmyfile
```

19) Name - grep

Syntax - grep [options] pattern [files]

Description - Used to search for specific patterns in a file.

```
tryhackme@linux1:~$ grep "Akshat" myfile
Hello my name is Akshat Mehta
```

20) Name - um

Syntax -

Description -

21) Name - su

Syntax - Used to switch from one user to another user.

Description -

```
tryhackme@linux1:~$ su tryhackme
Password: █
```

22) Name - sudo

Syntax - sudo [command]

Description - To run programs with elevated privileges as another user, such as the root user.

```
tryhackme@linux1:~$ sudo -V
Sudo version 1.8.31
Sudoers policy plugin version 1.8.31
Sudoers file grammar version 46
Sudoers I/O plugin version 1.8.31
```

23) Name - ipconfig

Syntax - ipconfig [options]

Description - Displays information about your computer network settings.

```
tryhackme@linux1:~$ ip
Usage: ip [ OPTIONS ] OBJECT { COMMAND | help }
       ip [ -force ] -batch filename
where  OBJECT := { link | address | addrlabel | route | rule | neigh | ntable
|
               tunnel | tuntap | maddress | mroute | mrule | monitor | xfrm
m |
               netns | l2tp | fou | macsec | tcp metrics | token | netconf
| ila |
               vrf | sr | nexthop }
OPTIONS := { -V[ersion] | -s[tatistics] | -d[etails] | -r[esolve] |
             -h[uman-readable] | -iec | -j[son] | -p[retty] |
             -f[amily] { inet | inet6 | mpls | bridge | link } |
             -4 | -6 | -I | -D | -M | -B | -O |
             -l[oops] { maximum-addr-flush-attempts } | -br[ief] |
             -o[neline] | -t[imestamp] | -ts[hort] | -b[atch] [filename]
] |
             -rc[vbuf] [size] | -n[etns] name | -N[umeric] | -a[ll] |
             -c[olor]}
```

24) Name - ifconfig

Syntax - ifconfig [interface] [options]

Description - Used to view and configure network interface settings

25) Name - nano*

Syntax - nano filename

Description - Edit files directly from the command line of Unix-based systems.

A screenshot of the GNU nano 4.8 text editor. The title bar at the top shows 'GNU nano 4.8' and 'myfile'. The main editing area is black with white text, displaying 'Hello my name is Akshat Mehta' on the first line. At the bottom, there is a status bar with various keyboard shortcuts: ^G Get Help, ^O Write Out, ^W Where Is, ^K Cut Text, ^J Justify, ^X Exit, ^R Read File, ^\ Replace, ^U Paste Text, and ^T To Spell. A small box above the status bar indicates 'Read 1 line'.

26) Name - find

Syntax - find [directory/to/search] [parameter] [filename]

Description - Search for files and directories based on various criteria.

27) Name - ps

Syntax - ps [options]

Description - Displays information about the processes running on your system.

28) Name - *vi

Syntax - vi [filename]

Description - Edit an existing file or create a new file from scratch.

```
tryhackme@linux1:~$ vi myfile
```



```
My name is Akshat Mehta and i am from dewas
```

-- INSERT -- 1,44

```
tryhackme@linux1:~$ cat myfile  
My name is Akshat Mehta and i am from dewas
```

29) Name - ln

Syntax - ln [options] source_file target_file

Description - Used to create links to files or directories

30) Name - pid

Syntax - pidof [options] process_name.

Description - Used to find process id(PID) of a running process.

```
tryhackme@linux1:~$ pidof bash
1027
tryhackme@linux1:~$ pidof -s bash
1027
tryhackme@linux1:~$ pidof -x bash
1027
```

31) Name - gid

Syntax -

Description -

```
tryhackme@linux1:~$ id
uid=1001(tryhackme) gid=1001(tryhackme) groups=1001(tryhackme)
tryhackme@linux1:~$ id -g tryhackme
1001
```

32) Name - chmod

Syntax -

Description -

33) Name - man

Syntax -

Description -

```

tryhackme@linux1:~$ man ls
LS(1)                                User Commands                                LS(1)

NAME
    ls - list directory contents

SYNOPSIS
    ls [OPTION]... [FILE]...

DESCRIPTION
    List information about the FILES (the current directory by default).
    Sort entries alphabetically if none of -cftuvSUX nor --sort is speci-
    fied.

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

    -a, --all
        do not ignore entries starting with .

    -A, --almost-all
        do not list implied . and ..

    --author
        with -l, print the author of each file

    -b, --escape
        print C-style escapes for nongraphic characters

    --block-size=SIZE
        with -l, scale sizes by SIZE when printing them; e.g.,
        '--block-size=M'; see SIZE format below

    -B, --ignore-backups
        do not list implied entries ending with ~

    -c
        with -lt: sort by, and show, ctime (time of last modification
        of file status information); with -l: show ctime and sort by
        name; otherwise: sort by ctime, newest first

```

34) Name - uid

Syntax -

Description -

```

tryhackme@linux1:~$ id
uid=1001(tryhackme) gid=1001(tryhackme) groups=1001(tryhackme)
tryhackme@linux1:~$ id -u tryhackme
1001

```

35) Name - wc

Syntax - wc filename

Description - Used to find out number of lines, word count, byte and characters count in the files specified in the file arguments.

```

tryhackme@linux1:~$ wc myfile
1 6 30 myfile

```

36) Name - df

Syntax - df

Description -

```
tryhackme@linux1:~$ df
Filesystem      1K-blocks    Used Available Use% Mounted on
/dev/root        10089288 2799104   7273800  28% /
devtmpfs         469512      0    469512    0% /dev
tmpfs            477836      0    477836    0% /dev/shm
tmpfs            95568       860    94708    1% /run
tmpfs            5120        0     5120    0% /run/lock
tmpfs            477836      0    477836    0% /sys/fs/cgroup
/dev/loop0       28800      28800        0 100% /snap/amazon-ssm-agent/2012
/dev/loop1       25856      25856        0 100% /snap/amazon-ssm-agent/7993
/dev/loop2       57088      57088        0 100% /snap/core18/2829
/dev/loop3       56704      56704        0 100% /snap/core18/1885
/dev/loop5       94080      94080        0 100% /snap/lxd/24061
/dev/loop6      106752     106752        0 100% /snap/core/17200
/dev/loop4       72320      72320        0 100% /snap/lxd/16922
/dev/loop7       65536      65536        0 100% /snap/core20/2318
tmpfs            95564        0    95564    0% /run/user/1001
```

37) Name - less

Syntax - less file_name

Description -

```
tryhackme@linux1:~$ less myfile
Hello my name is Akshat Mehta
(END)
```

38) Name - du

Syntax - du file_name

Description -

```
tryhackme@linux1:~$ du myfile
4      myfile
```