# **Lab 1: Learning Basic Linux Commands**

**OS used:** Linux Mint 22.1

## 1.1 Command Name: ls

**Syntax:** Is [option] [directory].

**Usage:** Is is used to list the contents of a directory. It can be used to list the contents of the current directory or any other directory.

#### Commands used:

- ls: list the contents of the current directory
- ls -l : list the contents of the current directory in long format which includes:
  - The file type.
  - The file owner.
  - The file permissions.
  - Number of hard links to the file.
  - o File group.
  - o File name.
  - Date and Time.
  - File size
- ls -a OS: list the contents of "OS" directory including hidden files

```
dolindra@BIT-OSlab: ~
dolindra@BIT-OSlab:~$ ls
                                            Videos
Desktop
           Downloads
                                 Public
Documents
           Music
                                 Templates
                      Pictures
dolindra@BIT-OSlab:~$ ls -l
total 36
drwxr-xr-x 2 dolindra dolindra 4096 Apr
                                          4 22:23 Desktop
drwxr-xr-x 2 dolindra dolindra 4096 Apr
                                          4 22:23 Documents
drwxrwxr-x 2 dolindra dolindra 4096 Apr
                                          4 22:21 Downloads
drwxr-xr-x 2 dolindra dolindra 4096 Apr
                                          4 22:23 Music
drwxrwxr-x 2 dolindra dolindra 4096 Apr 5 10:28 OS
drwxr-xr-x 2 dolindra dolindra 4096 Apr 5 10:36 Pictures
drwxr-xr-x 2 dolindra dolindra 4096 Apr 4 22:23 Public
drwxr-xr-x 2 dolindra dolindra 4096 Apr
                                        4 22:23 Templates
drwxr-xr-x 2 dolindra dolindra 4096 Apr 4 22:23 Videos
dolindra@BIT-OSlab:~$ ls -a OS
       file1.txt
                  file2.txt
dolindra@BIT-OSlab:~$
```

## 1.2 Command Name: cd

Syntax : cd [directory]

**Usage:** cd is used to change the current working directory. It can be used to change the current working directory to the home directory or any other directory.

#### **Commands used:**

- cd Documents: change the current working directory to the Documents directory of the user.
- cd / : change the current working directory to the root directory.
- cd /home: change the current working directory to the home directory.e
- cd .. : change the current working directory to the parent directory.

# **Output:**

```
dolindra@BIT-OSlab:/

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dolindra@BIT-OSlab:~$ cd Documents

dolindra@BIT-OSlab:~/Documents$ cd /

dolindra@BIT-OSlab:/$ cd /home

dolindra@BIT-OSlab:/home$ cd ..

dolindra@BIT-OSlab:/$
```

## 1.3 Command Name: grep

**Syntax**: grep [options] pattern [file]

**Usage:** grep is used to search for a pattern in a file.

## **Commands Used:**

• grep "operating system" samplefile.txt: searches for the word "operating system" in samplefile.txt.

```
dolindra@BIT-OSlab:~ — □ Solindra@BIT-OSlab:~ — □ Solindra@BIT-OSlab:~ □ Solindra@BIT-OSlab:~$ grep "operating system" samplefile.txt This is a lab file of operating system.operating system is a software that manages computer hardware and software resource s, providing a platform for applications to run and users to interact with the computer.

dolindra@BIT-OSlab:~$ □
```

## 1.4 Command Name: su/sudo

**Syntax:** su [options] [username]

sudo [options] command

**Usage:** su is used to switch to another user. It can be used to switch to the root user or any other user.

sudo is used to execute a command as another user. It can be used to execute a command as the root user or any other user.

#### **Commands used:**

- su dolindra: switch to the user "user".
- sudo su: switch to the root user.

## **Output:**

```
root@BIT-OSlab:/home/dolindra _ _ D & dolindra@BIT-OSlab:~$ su user
Password:
user@BIT-OSlab:/home/dolindra$ sudo su
[sudo] password for user:
root@BIT-OSlab:/home/dolindra#
```

## 1.5 Command Name: pwd

Syntax: pwd

**Usage:** pwd is used to print the current working directory.

#### **Commands Used:**

• pwd: print the current working directory

### **Output:**

```
dolindra@BIT-OSlab:~/Desktop 

dolindra@BIT-OSlab:~$ pwd
/home/dolindra
dolindra@BIT-OSlab:~$ cd Desktop
dolindra@BIT-OSlab:~/Desktop$ pwd
/home/dolindra/Desktop
```

#### 1.6 Command Name: mv

**Syntax**: mv [options] source destination

**Usage:** mv is used to move or rename a file or directory. It can be used to move or rename a file or directory in the same directory or in a different directory.

### **Commands Used:**

- mv file1.txt file2.txt : rename the file1.txt to file2.txt
- mv file2.txt mydirectory/ file3.txt : move the file1.txt to "mydirectory" and rename it to file3.txt

## **Output:**

```
dolindra@BIT-OSlab:~/OS$ ls
file1.txt mydirectory
dolindra@BIT-OSlab:~/OS$ mv file1.txt file2.txt
dolindra@BIT-OSlab:~/OS$ ls
file2.txt mydirectory
dolindra@BIT-OSlab:~/OS$ mv file2.txt mydirectory/file3.txt
dolindra@BIT-OSlab:~/OS$ ls mydirectory
file3.txt
```

## 1.7 Command Name: cp

**Syntax**: cp [options] source destination

**Usage:** cp is used to copy a file or directory. It can be used to copy a file or directory in the same directory or in a different directory.

## **Commands Used:**

- cp file1.txt file2.txt: copy the file1.txt to file2.txt.
- cp file1 Desktop: copy the file1.txt to "Desktop" directory.

```
dolindra@BIT-OSlab: ~
dolindra@BIT-OSlab:~$ ls
Desktop
           Downloads
                      Music
                              Pictures
                                        Templates
Documents
           file1.txt
                      05
                              Public
dolindra@BIT-OSlab:~$ cp file1.txt file2.txt
dolindra@BIT-OSlab:~$ ls
                                 Templates
Desktop
           file1.txt
                                 Videos
Documents
           file2.txt
                      Pictures
Downloads
           Music
                      Public
dolindra@BIT-OSlab:~$ cp file1.txt Desktop
dolindra@BIT-OSlab:~$ ls Desktop
file1.txt
```

### 1.8 Command Name: rm

**Syntax**: rm [options] file

**Usage:** rm is used to remove a file or directory. It can be used to remove a file or directory in the same directory or in a different directory.

#### **Commands Used:**

- rm file1.txt: removes the file1.txt
- rm Desktop/file2.txt : removes the file2.txt located at the "Desktop" directory.

## **Output:**

```
dolindra@BIT-OSlab: ~
dolindra@BIT-OSlab:~$ ls
                                  Videos
Desktop
           file1.txt
                       Pictures
Documents
           Music
                       Public
Downloads
           08
                       Templates
dolindra@BIT-OSlab:~$ rm file1.txt
dolindra@BIT-OSlab:~$ ls
Desktop
           Music
                      Public
Documents
           08
                      Templates
Downloads
           Pictures Videos
dolindra@BIT-OSlab:~$ ls Desktop
file2.txt
dolindra@BIT-OSlab:~$ rm Desktop/file2.txt
dolindra@BIT-OSlab:~$
```

## 1.9 Command Name: mkdir

Syntax: mkdir [options] directory

**Usage:** mkdir is used to create a directory.

## **Commands Used:**

• mkdir mydirectory: creates a new directory named "mydirectory".

## 1.10 Command Name: rmdir

**Syntax**: rmdir [options] directory

**Usage:** rmdir is used to remove an empty directory.

#### **Commands Used:**

• rmdir directory: removes an empty directory named "mydirectory.

### **Output:**

### 1.11 Command Name: chmod

**Syntax**: chmod [options] permissions file

**Usage:** chmod is used to change the permissions of a file or directory.

## **Commands Used:**

- chmod u=r samplefile.txt : sets the "samplefile.txt" file to read only .
- chmod u= samplefile.txt : removes all the permissions of the user for "samplefile.txt".

```
dolindra@BIT-OSlab:~/mydir$ ls -l
total 4
-rw-rw-r-- 1 dolindra dolindra 211 Apr 5 16:40 samplefile.txt
dolindra@BIT-OSlab:~/mydir$ chmod u=r samplefile.txt
dolindra@BIT-OSlab:~/mydir$ ls -l
total 4
-r--rw-r-- 1 dolindra dolindra 211 Apr 5 16:40 samplefile.txt
dolindra@BIT-OSlab:~/mydir$ chmod u= samplefile.txt
dolindra@BIT-OSlab:~/mydir$ chmod u= samplefile.txt
dolindra@BIT-OSlab:~/mydir$ ls -l
total 4
----rw-r-- 1 dolindra dolindra 211 Apr 5 16:40 samplefile.txt
```

### 1.12 Command Name: cat

**Syntax**: cat [options] file(s)

**Usage:** cat is used to concatenate files and print on the standard output.

### **Commands Used:**

- cat windows.txt : prints the contents of windows.txt file.
- cat linux.txt : prints the contents of linux.txt file.
- cat windows.txt linux.txt > winlinux.txt : combines the contents of windows.txt and linux.txt and saves it to winlinux.txt file.

### **Output:**

## 1.13 Command Name: chown

**Syntax**: chown [options] [owner] file

**Usage:** chown is used to change the owner of a file or directory.

## **Commands Used:**

• chown user linux.txt: changes the owner of the file to the "user".

```
user@BIT-OSlab: /home/dolindra/mydir
user@BIT-OSlab:/home/dolindra/mydir$ ls -l
total 16
-rw-rw-r-- 1 dolindra dolindra 32 Apr
                                         5 19:02 linux.txt
 ---rw-r-- 1 dolindra dolindra 211 Apr
                                         5 16:40 samplefile.txt
-rw-rw-r-- 1 dolindra dolindra 34 Apr
                                         5 19:02 windows.txt
-rw-rw-r-- 1 dolindra dolindra 66 Apr 5 19:04 winlinux.txt
user@BIT-OSlab:/home/dolindra/mydir$ sudo chown mr linux.txt wi
ndows.txt winlinux.txt samplefile.txt
user@BIT-OSlab:/home/dolindra/mydir$ ls -l
total 16
-rw-rw-r-- 1 mr dolindra 32 Apr
                                   5 19:02 linux.txt
---rw-r-- 1 mr dolindra 211 Apr
                                  5
                                    16:40 samplefile.txt
-rw-rw-r-- 1 mr dolindra
                                   5 19:02 windows.txt
                          34 Apr
 rw-rw-r-- 1 mr dolindra
                          66 Apr
                                   5 19:04 winlinux.txt
```

### 1.14 Command Name: echo

Syntax: echo [options] string

**Usage:** echo is used to display a line of text/string.

#### **Commands Used:**

• echo "Operating System" : Displays "Operating System".

# Output:

```
user@BIT-OSlab:/home/dolindra/mydir _ _ □ 🐼
user@BIT-OSlab:/home/dolindra/mydir$ echo "Operating System"
Operating System
user@BIT-OSlab:/home/dolindra/mydir$
```

## 1.15 Command Name: wc

Syntax: wc [options] file

Usage: we is used to count the number of lines, words, and bytes in a file.

#### **Commands Used:**

- wc linux.txt: counts the number of lines, words, and bytes in the file "linux.txt".
- wc -l linux.txt: counts the number of lines in the file "linux.txt".
- wc -w linux.txt : counts the number of words in the file "linux.txt".
- wc -c linux.txt : counts the number of bytes in the file "linux.txt".

## Output:

```
dolindra@BIT-OSlab:~/mydir$ wc linux.txt

1 5 32 linux.txt
dolindra@BIT-OSlab:~/mydir$ wc -l linux.txt
1 linux.txt
dolindra@BIT-OSlab:~/mydir$ wc -w linux.txt
5 linux.txt
dolindra@BIT-OSlab:~/mydir$ wc -c linux.txt
2 linux.txt
```

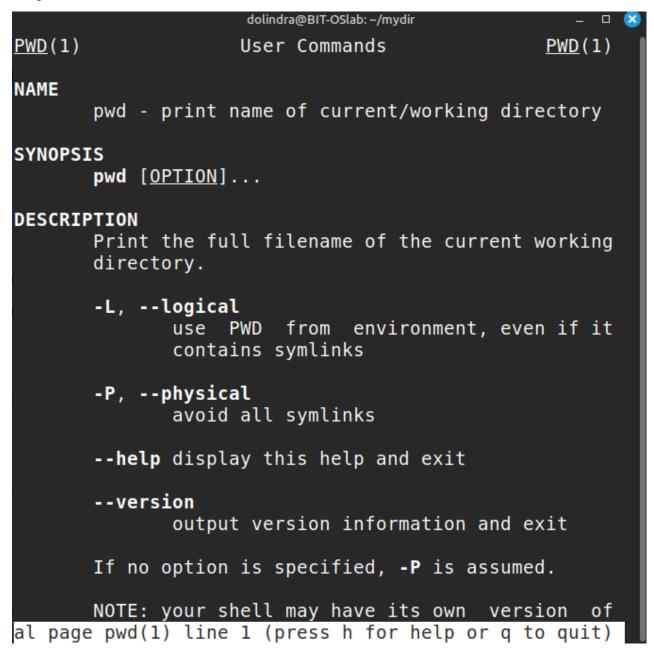
## 1.16 Command Name: man

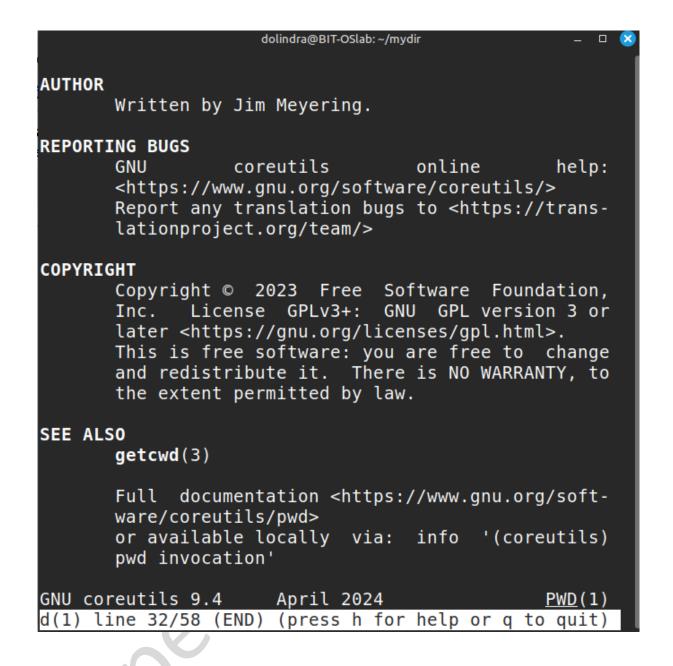
**Syntax**: man [options] command

**Usage:** man is used to display the user manual of any command that we can run on the terminal.

### **Commands Used:**

 man pwd: It provides a detailed view of pwd command which includes NAME, SYNOPSIS, DESCRIPTION, OPTIONS, EXIT STATUS, RETURN VALUES, ERRORS, FILES, VERSIONS, EXAMPLES, AUTHORS and SEE ALSO.





# 1.17 Command Name: history

**Syntax**: history [options]

**Usage:** history is used to print the history of commands.

## **Commands Used:**

• history | grep pwd: prints the history of the "pwd" command.

```
dolindra@BIT-OSlab: ~/mydir
dolindra@BIT-OSlab:~/mydir$ history | grep pwd
   20
   93
  157
  166
  172
  189
  197
  210
  212
  218
  220
  222
  555
  568
  570
        man
  574
        man
  576
        history | grep pwo
```

### 1.18 Command Name: clear

Syntax: clear [options]

**Usage:** clear is used to clear the terminal screen.

## **Commands Used:**

• clear: clears the terminal screen.

Output Before executing **clear** command:

```
dolindra@BIT-OSlab:~/mydir

dolindra@BIT-OSlab:~/mydir$ ls

linux.txt windows.txt

samplefile.txt winlinux.txt

dolindra@BIT-OSlab:~/mydir$ pwd
/home/dolindra/mydir

dolindra@BIT-OSlab:~/mydir$ clear
```

Output After executing clear command:

```
dolindra@BIT-OSlab:~/mydir _ □ & dolindra@BIT-OSlab:~/mydir$
```

## 1.19 Command Name: touch

Syntax: touch [options] file

**Usage:** touch is used to create an empty file.

#### **Commands Used:**

• touch myfile.txt: creates a new empty file named "myfile.txt".

## **Output:**

```
dolindra@BIT-OSlab:~/mydir — □ Solindra@BIT-OSlab:~/mydir$ touch myfile.txt dolindra@BIT-OSlab:~/mydir$ ls linux.txt samplefile.txt winlinux.txt myfile.txt windows.txt
```

### 1.20 Command Name: locate

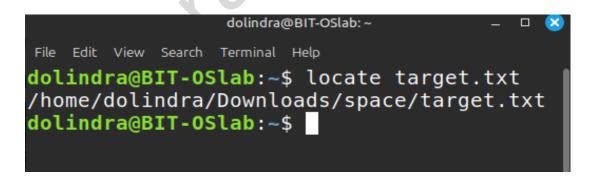
Syntax: locate [options] file

**Usage:** locate is used to find the location of a file or directory.

## **Commands Used:**

• locate myfile.txt: find the location of the file.

## **Output:**



## 1.21 Command Name: netstat

**Syntax**: netstat [options]

**Usage:** netstat is used to display network connections, routing tables, interface statistics, masquerade connections, and multicast memberships.

#### **Commands Used:**

• netstat -1 : displays listening sockets.

## **Output:**

```
dolindra@BIT-OSlab: ~
dolindra@BIT-OSlab:~$ netstat -l
Active Internet connections (only servers)
Proto Recv-Q Send-Q Local Address
                                               Foreign Address
                                                                         State
                     localhost:ipp
                                               0.0.0.0:*
           0
                   0
                                                                         LISTEN
                   0 localhost:33060
tcp
           0
                                               0.0.0.0:*
                                                                         LISTEN
tcp
                     localdnsproxy:domain
           0
                                               0.0.0.0:*
                                                                         LISTEN
                   0
                      localdnsstub:domain
tcp
           0
                                               0.0.0.0:*
                   0
                                                                         LISTEN
                   0 Tocalhost:mysql
           0
tcp
                                               0.0.0.0:*
                                                                         LISTEN
           0
                   0 ip6-localhost:ipp
                                                                         LISTEN
tcp6
                                                [::]:*
```

## 1.22 Command Name: df

Syntax: df [options] file

**Usage**: df is used to display the amount of disk space available on the file system.

#### **Commands Used:**

- df: displays the amount of disk space available on the file system.
- df -h : display the amount of disk space available on the file system in human readable format.

```
dolindra@BIT-OSlab: ~
dolindra@BIT-OSlab:~$ df
Filesystem
                1K-blocks
                               Used Available Use% Mounted on
                   344240
                               1548
                                        342692
tmpfs
                                                  1% /run
                                 45
efivarfs
                                            39
                                                 55% /sys/firmware/efi/efivars
                        88
/dev/sda2
                244506940 16954076 215059808
                                                  8% /
tmpfs
                  1721184
                             248276
                                       1472908
                                                 15% /dev/shm
tmpfs
                     5120
                                 12
                                          5108
                                                  1% /run/lock
/dev/sda1
                   523244
                               6284
                                        516960
                                                  2% /boot/efi
                                200
                                        344036
tmpfs
                   344236
                                                  1% /run/user/1001
dolindra@BIT-OSlab:~$ df -h
                        Used Avail Use% Mounted on
Filesystem
                 Size
                        1.6M
tmpfs
                 337M
                              335M
                                     1% /run
efivarfs
                  88K
                         45K
                               39K
                                     55% /sys/firmware/efi/efivars
                                      8% /
/dev/sda2
                 234G
                         17G
                              206G
                              1.5G
                                     15% /dev/shm
tmpfs
                 1.7G
                        243M
                                      1% /run/lock
                         12K
                              5.0M
tmpfs
                 5.0M
/dev/sda1
                 511M
                        6.2M
                              505M
                                      2% /boot/efi
tmpfs
                 337M
                       200K
                             336M
                                      1% /run/user/1001
```

### 1.23 Command Name: du

Syntax: du [OPTIONS]....[FILE]....

**Usage:** du is used to estimate files or directories space usage.

#### **Commands Used:**

• du -h mydir : estimate file space usage of "mydir" directory in human readable format.

## **Output:**

## 1.24 Command Name: uname

**Syntax**: uname [options]

**Usage:** uname is used to print certain system information.

## **Commands Used:**

- uname : prints certain system information.
- uname -a: prints all system information.

```
dolindra@BIT-OSlab:~ - □ ▼

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dolindra@BIT-OSlab:~$ uname

Linux

dolindra@BIT-OSlab:~$ uname -a

Linux BIT-OSlab 6.8.0-57-generic #59-Ubuntu

SMP PREEMPT_DYNAMIC Sat Mar 15 17:40:59 UTC

2025 x86_64 x86_64 x86 64 GNU/Linux

dolindra@BIT-OSlab:~$
```

# 1.25 Command Name: passwd

**Syntax**: passwd [options]

**Usage:** passwd is used to change the password of a user.

#### **Commands Used:**

• passwd: changes the password of the current user.

## **Output:**

```
dolindra@BIT-OSlab:~

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dolindra@BIT-OSlab:~$ passwd

Changing password for dolindra.

Current password:

New password:

Retype new password:

passwd: password updated successfully

dolindra@BIT-OSlab:~$
```

# 1.26 Command Name: useradd

**Syntax**: useradd [options] [username]

**Usage:** useradd is used to add a new user to the system.

#### **Commands Used:**

• useradd student: Creates a new user named student.

## **Output:**

```
user@BIT-OSlab:/home/dolindra

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user@BIT-OSlab:/home/dolindra$ sudo useradd student

user@BIT-OSlab:/home/dolindra$ id student

uid=1003(student) gid=1003(student) groups=1003(student)

user@BIT-OSlab:/home/dolindra$
```

## 1.27 Command Name: userdel

**Syntax**: userdel [options] [username]

**Usage:** userdel is used to delete a user from the system.

#### **Commands Used:**

• sudo userdel student : Deletes "student" user from the system.

## **Output:**

# 1.28 Command Name: apt-get

Syntax : apt-get [options]

apt-get install [package name], apt-get remove [package name]

Note: You may need to add sudo before the commands.

**Usage :** apt-get is used to install, remove, and update software packages on Debian based systems.

#### **Commands Used:**

- sudo apt-get install git: install the "git" package.
- sudo apt-get remove git: remove the "git" package.
- sudo apt-get update : update all available packages.

```
dolindra@BIT-OSlab:
dolindra@BIT-OSlab:~$ sudo apt-get install git
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be inst
alled:
 git-man liberror-perl
Suggested packages:
  git-daemon-run | git-daemon-sysvinit git-doc
 git-email
  git-gui gitk gitweb git-cvs git-mediawiki gi
The following NEW packages will be installed:
git git-man liberror-perl
0 upgraded, 3 newly installed, 0 to remove and
 1 not upgraded.
Need to get 4,804 kB of archives.
After this operation, 24.5 MB of additional di
sk space will be used.
    you want to continue? [Y/n] y
```

```
dolindra@BIT-OSlab: ~
File Edit View Search Terminal Help
dolindra@BIT-OSlab:~$ sudo apt-get remove git
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following packages were automatically inst
alled and are no longer required:
  git-man liberror-perl
Use 'sudo apt autoremove' to remove them.
The following packages will be REMOVED:
O upgraded, O newly installed, 1 to remove and
1 not upgraded.
After this operation, 22.2 MB disk space will
be freed.
Do you want to continue? [Y/n] y
(Reading database ... 572683 files and directo
ries currently installed.)
Removing git (1:2.43.0-lubuntu7.2) ...
dolindra@BIT-OSlab:~$
```

```
File Edit View Search Terminal Help

dolindra@BIT-OSlab:~$ sudo apt-get update

Hit:1 http://security.ubuntu.com/ubuntu noble-security InRelease

Hit:2 https://dl.google.com/linux/chrome/deb stable InRelease

Ign:3 http://packages.linuxmint.com xia InRelease

Hit:4 http://archive.ubuntu.com/ubuntu noble InRelease

Hit:5 http://packages.linuxmint.com xia Release

Hit:6 http://archive.ubuntu.com/ubuntu noble-updates InRelease

Hit:7 http://archive.ubuntu.com/ubuntu noble-backports InRelease

Reading package lists... Done

dolindra@BIT-OSlab:~$
```

## 1.29 Command Name: ping

**Syntax:** ping [options] hostname

hostname is the name of the host to be pinged eg: "www.google.com".

**Usage:** ping is used to test the reachability of a host on an Internet Protocol (IP) network.

#### **Commands Used:**

• ping -c 2 www.youtube.com : tests the reachability of "www.youtube.com" by sending 2 packets and stops.

```
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dolindra@BIT-OSlab:~$ ping -c 2 www.youtube.com

PING www.youtube.com (2404:6800:4002:810::200e) 56 data bytes
64 bytes from dell1s05-in-x0e.le100.net (2404:6800:4002:810::200e)
: icmp_seq=1 ttl=115 time=29.6 ms
64 bytes from dell1s05-in-x0e.le100.net (2404:6800:4002:810::200e)
: icmp_seq=2 ttl=115 time=30.1 ms

--- www.youtube.com ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1002ms
rtt min/avg/max/mdev = 29.628/29.860/30.092/0.232 ms

dolindra@BIT-OSlab:~$
```

## 1.30 Command Name: find

**Syntax**: find [options] path

Usage: find is used to search for files in a directory hierarchy.

#### **Commands Used:**

• find -name linux.txt : searches for "linux.txt" and prints its path.

### Output:

```
dolindra@BIT-OSlab:~ - □ S

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dolindra@BIT-OSlab:~$ find -name "linux.txt"

./mydir/linux.txt

dolindra@BIT-OSlab:~$
```

# 1.31 Command Name: head

Syntax: head [options] file

**Usage:** head is used to output the first part of files.

### **Commands Used:**

- head practical.txt: displays the first 10 lines of the file "practical.txt".
- head -n 2 practical.txt : displays the first 2 lines of the file.

```
dolindra@BIT-OSlab: ~/mydir
                                                     File Edit View Search Terminal Help
dolindra@BIT-OSlab:~/mydir$ head practical.txt
This is first line.
This is second line.
This is third line.
This is fourth line.
This is fifth line.
This is sixth line.
This is seventh line.
This is eighth line.
This is ninth line.
This is tenth line.
dolindra@BIT-OSlab:~/mydir$ head -n 2 practical.txt
This is first line.
This is second line.
dolindra@BIT-OSlab:~/mydir$
```

## 1.32 Command Name: tail

Syntax: tail [options] file

**Usage:** tail is used to output the last part of files.

#### **Commands Used:**

• tail -n 5 practical.txt: displays the last 5 lines of "practical.txt".

## **Output:**

```
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dolindra@BIT-OSlab:~/mydir$ tail -n 5 practical.txt

This is eighth line.

This is ninth line.

This is tenth line.

This is eleventh line.

This is twelfth line.

dolindra@BIT-OSlab:~/mydir$
```

## 1.33 Command Name: rename

**Syntax**: rename [options]

**Usage:** rename is used to rename multiple files.

### **Commands Used:**

• rename 's\\.txt\\.pdf\' \*.txt : rename all the text files of the current directory into pdf files.

## **Output:**

```
dolindra@BIT-OSlab: ~/mydir
File Edit View Search Terminal Help
dolindra@BIT-OSlab:~/mydir$ ls
linux.txt
             practical.txt
                              windows.txt
myfile.txt samplefile.txt
                              winlinux.txt
dolindra@BIT-OSlab:~/mydir$ rename 's/\.txt$/\.pdf/' *.txt
dolindra@BIT-OSlab:~/mydir$ ls
linux.pdf
             practical.pdf
                              windows.pdf
myfile.pdf
             samplefile.pdf
                              winlinux.pdf
dolindra@BIT-OSlab:~/mydir$
```

## 1.34 Command name: tac

Syntax: tac [options] file

**Usage:** tac is used to print the contents of files in reverse.

#### **Commands Used:**

- Cat myfile.txt: prints the contents of "myfile.txt" in forward order (first to last line).
- tac myfile.txt : prints the contents of "myfile.txt" in reverse order.

```
File Edit View Search Terminal Help

dolindra@BIT-OSlab:~/mydir$ cat myfile.txt

The tac command in linux is used
to display the contents of a file
in reverse order, line by line.

It is opposite of the cat command.

dolindra@BIT-OSlab:~/mydir$ tac myfile.txt

It is opposite of the cat command.
in reverse order, line by line.
to display the contents of a file
The tac command in linux is used
dolindra@BIT-OSlab:~/mydir$
```







