Linux Directory Commands

1. pwd Command

The pwd command is used to display the location of the current working directory.

Syntax:

pwd

Output:

```
javatpoint@javatpoint-Inspiron-3542:~$ pwd
/home/javatpoint
```

2. mkdir Command

The mkdir command is used to create a new directory under any directory.

Syntax:

mkdir <directory name>

Output:

```
javatpoint@javatpoint-Inspiron-3542:~$ mkdir new_directory javatpoint@javatpoint-Inspiron-3542:~$
```

3. rmdir Command

The rmdir command is used to delete a directory.

Syntax:

rmdir <directory name>

Output:

```
javatpoint@javatpoint-Inspiron-3542:~$ rmdir new_directory
javatpoint@javatpoint-Inspiron-3542:~$
```

4. ls Command

The ls command is used to display a list of content of a directory.

Syntax:

ls

```
javatpoint@javatpoint-Inspiron-3542:~$ ls
               Desktop
                                  examples.desktop Music
                                                                  sample
                                                                  snap
Akash
              Directory
                                  hello.c
                                                    pico
                                                    Pictures
a.out
              Documents
                                  hello.i
                                                                  Templates
composer.phar Downloads
                                  hello.o
                                                                  Test.txt
                                                    project
              eclipse
                                  hello.s
                                                    Public
                                                                  Videos
Demo.sh
              eclipse-installer index.html
                                                    Python
Demo.txt
Demo.txt~
              eclipse-workspace mail
                                                    Python-3.8.0
```

5. cd Command

The cd command is used to change the current directory.

Syntax:

cd <directory name>

Output:

```
javatpoint@javatpoint-Inspiron-3542:~$ cd Desktop
javatpoint@javatpoint-Inspiron-3542:~/Desktop$
```

Linux File commands

6. touch Command

The touch command is used to create empty files. We can create multiple empty files by executing it once.

Syntax:

```
touch <file name>
touch <file1> <file2> ....
```

Output:

```
javatpoint@javatpoint-Inspiron-3542:~/Newfolder$ touch Demo.txt
javatpoint@javatpoint-Inspiron-3542:~/Newfolder$ touch Demo1.txt Demo2.txt
javatpoint@javatpoint-Inspiron-3542:~/Newfolder$ ls
Demo1.txt Demo2.txt Demo.txt
```

7. cat Command

The cat command is a multi-purpose utility in the Linux system. It can be used to create a file, display content of the file, copy the content of one file to another file, and more.

Syntax:

```
cat [OPTION]... [FILE]..
```

To create a file, execute it as follows:

```
cat > < file name> OR cat < file name>
```

Output:

```
javatpoint@javatpoint-Inspiron-3542:~/Newfolder$ cat > Demo.txt
This is a text file.
javatpoint@javatpoint-Inspiron-3542:~/Newfolder$ cat Demo.txt
This is a text file.
```

8. rm Command

The rm command is used to remove a file.

Syntax:

rm <file name>

```
javatpoint@javatpoint-Inspiron-3542:~/Newfolder$ rm Demo.txt
javatpoint@javatpoint-Inspiron-3542:~/Newfolder$ rm Demo1.txt Demo2.txt
```

9. cp Command

The cp command is used to copy a file or directory.

Syntax:

cp <existing file name> <new file name>

Output:

```
javatpoint@javatpoint-Inspiron-3542:~$ cp demo.txt demo1.txt
javatpoint@javatpoint-Inspiron-3542:~$ cp demo.txt Documents
```

10. my Command

The mv command is used to move a file or a directory form one location to another location.

Syntax:

mv <file name> <directory path>

Output:

```
javatpoint@javatpoint-Inspiron-3542:~$ mv demo.txt Directory
```

11. rename Command

The rename command is used to rename files. It is useful for renaming a large group of files.

Syntax:

rename 's/old-name/new-name/' files

For example, to convert all the text files into pdf files, execute the below command: rename 's/\.txt\$/\.pdf/' *.txt

Output:

```
javatpoint@javatpoint-Inspiron-3542:~$ rename 's/\.txt$/\.pdf/' *.txt
javatpoint@javatpoint-Inspiron-3542:~$ ls
               Desktop
                                  examples.desktop Music
                                                               Python-3.8.0
                                                    Newfolder sample
Akash
               Directory
                                  hello.c
                                  hello.i
a.out
               Documents
                                                    pico
                                                               snap
                                  hello.o
composer.phar Downloads
                                                    Pictures
                                                               Templates
demo1.pdf
               eclipse
                                  hello.s
                                                    project
                                                               Test.pdf
Demo.sh
               eclipse-installer index.html
                                                    Public
                                                               Videos
Demo.txt~
               eclipse-workspace mail
                                                    Python
```

Linux File Content Commands

12. head Command

The head command is used to display the content of a file. It displays the first 10 lines of a file.

Syntax:

head <file name>

13. tail Command

The tail command is similar to the head command. The difference between both commands is that it displays the last ten lines of the file content. It is useful for reading the error message.

Syntax:

tail <file name>

14. tac Command

The tac command is the reverse of cat command, as its name specified. It displays the file content in reverse order (from the last line).

Syntax:

tac <file name>

Output:

```
javatpoint@javatpoint-Inspiron-3542:~$ tac Demo.txt

11
10
9
8
7
6
5
4
3
2
1
```

15. more command

The more command is quite similar to the cat command, as it is used to display the file content in the same way that the cat command does. The only difference between both commands is that, in case of larger files, the more command displays screenful output at a time.

In more command, the following keys are used to scroll the page:

ENTER key: To scroll down page by line.

Space bar: To move to the next page.

b key: To move to the previous page.

/ **key:** To search the string.

Syntax:

more <file name>

16. less Command

The less command is similar to the more command. It also includes some extra features such as 'adjustment in width and height of the terminal.' Comparatively, the more command cuts the output in the width of the terminal.

Syntax:

less <file name>

Linux User Commands

17. su Command

The su command provides administrative access to another user. In other words, it allows access of the Linux shell to another user.

Syntax:

su <user name>

Output:

```
javatpoint@javatpoint-Inspiron-3542:~$ su javatpoint
Password:
javatpoint@javatpoint-Inspiron-3542:~$
```

18. id Command

The id command is used to display the user ID (UID) and group ID (GID).

Syntax:

id

Output:

```
javatpoint@javatpoint-Inspiron-3542:~$ id
uid=1000(javatpoint) gid=1000(javatpoint),4(adm),24(cdro
m),27(sudo),30(dip),46(plugdev),116(lpadmin),126(sambashare)
javatpoint@javatpoint-Inspiron-3542:~$
```

19. useradd Command

The useradd command is used to add or remove a user on a Linux server.

Syntax:

useradd username

Output:

```
javatpoint@javatpoint-Inspiron-3542:~$ sudo useradd JTP
[sudo] password for javatpoint:
javatpoint@javatpoint-Inspiron-3542:~$
```

20. passwd Command

The passwd command is used to create and change the password for a user.

Syntax:

passwd **<username>**

Output:

```
javatpoint@javatpoint-Inspiron-3542:~$ sudo passwd JTP
Enter new UNIX password:
Retype new UNIX password:
passwd: password updated successfully
```

21. groupadd Command

The groupadd command is used to create a user group.

Syntax:

groupadd <group name>

```
javatpoint@javatpoint-Inspiron-3542:~$ sudo groupadd Developer javatpoint@javatpoint-Inspiron-3542:~$
```

Linux Filter Commands

22. cat Command

The cat command is also used as a filter. To filter a file, it is used inside pipes. **Syntax:**

cat <fileName> | cat or tac | cat or tac | . . .

Output:

```
javatpoint@javatpoint-Inspiron-3542:~$ cat Demo.txt | tac | cat | cat | tac
1
2
3
4
5
6
7
8
9
10
11
```

23. cut Command

The cut command is used to select a specific column of a file. The '-d' option is used as a delimiter, and it can be a space (' '), a slash (/), a hyphen (-), or anything else. And, the '-f' option is used to specify a column number.

Syntax:

cut -d(delimiter) -f(columnNumber) <fileName>

Output:

```
javatpoint@javatpoint-Inspiron-3542:~$ cat >marks.txt
alex-50
alen-70
jon-75
carry-85
celena-90
justin-80
javatpoint@javatpoint-Inspiron-3542:~$ cut -d- -f2 marks.txt
50
70
75
85
90
80
javatpoint@javatpoint-Inspiron-3542:~$
```

24. grep Command

The grep is the most powerful and used filter in a Linux system. The 'grep' stands for "global regular expression print." It is useful for searching the content from a file. Generally, it is used with the pipe.

Syntax:

command | grep <searchWord>

```
j<mark>avatpoint@javatpoint-Inspiron-3542:~</mark>$ cat marks.txt | grep 9
celena-<mark>9</mark>0
```

25. comm Command

The 'comm' command is used to compare two files or streams. By default, it displays three columns, first displays non-matching items of the first file, second indicates the non-matching item of the second file, and the third column displays the matching items of both files.

Syntax:

comm <file1> <file2>

Output:

```
javatpoint@javatpoint-Inspiron-3542:~$ comm Demo.txt Demo1.txt

2
3
comm: file 2 is not in sorted order
11
4
5
22
33
6
7
8
9
comm: file 1 is not in sorted order
```

26. sed command

The sed command is also known as **stream editor**. It is used to edit files using a regular expression. It does not permanently edit files; instead, the edited content remains only on display. It does not affect the actual file.

Syntax:

command | sed 's/<oldWord>/<newWord>/'

Output:

```
javatpoint@javatpoint-Inspiron-3542:~$ echo class7 | sed 's/class/jtp/'
jtp7
javatpoint@javatpoint-Inspiron-3542:~$ echo class7 | sed 's/7/10/'
class10
```

27. tee command

The tee command is quite similar to the cat command. The only difference between both filters is that it puts standard input on standard output and also write them into a file.

Syntax:

cat <fileName> | tee <newFile> | cat or tac |.....

```
javatpoint@javatpoint-Inspiron-3542:-$ cat marks.txt | tee new.txt | cat alex-50 alen-70 jon-75 carry-85 celena-90 justin-80 javatpoint-Inspiron-3542:-$ cat new.txt alex-50 alex-70 javatpoint-Inspiron-3542:-$ cat new.txt alex-50 alex-70 jon-75 carry-85 celena-90 justin-80 justin-80
```

28. tr Command

The tr command is used to translate the file content like from lower case to upper case.

Syntax:

```
command | tr <'old'> <'new'>
```

Output:

```
javatpoint@javatpoint-Inspiron-3542:~$ cat marks.txt | tr 'prcu' 'PRCU'
alex-50
alen-70
jon-75
CaRRy-85
Celena-90
justin-80
```

29. uniq Command

The uniq command is used to form a sorted list in which every word will occur only once.

Syntax:

```
command <fileName> | uniq
```

Output:

```
javatpoint@javatpoint-Inspiron-3542:-$ sort marks.txt |uniq
alen-70
alex-50
carry-85
celena-90
jon-75
justin-80
```

30. wc Command

The wc command is used to count the lines, words, and characters in a file.

Syntax:

wc <file name>

Output:

```
javatpoint@javatpoint-Inspiron-3542:~$ wc marks.txt
  6  6 52 marks.txt
```

31. od Command

The od command is used to display the content of a file in different s, such as hexadecimal, octal, and ASCII characters.

Syntax:

```
od -b <fileName> // Octal format
od -t x1 <fileName> // Hexa decimal format
od -c <fileName> // ASCII character format
```

32. sort Command

The sort command is used to sort files in alphabetical order.

Syntax:

sort <file name>

Output:

```
javatpoint@javatpoint-Inspiron-3542:~$ sort marks.txt
alen-70
alex-50
carry-85
celena-90
jon-75
justin-80
```

33. gzip Command

The gzip command is used to truncate the file size. It is a compressing tool. It replaces the original file by the compressed file having '.gz' extension.

Syntax:

```
gzip <file1> <file2> <file3>...
```

Output:

```
javatpoint@javatpoint-Inspiron-3542:~$ gzip Demo.txt Demo1.txt javatpoint@javatpoint-Inspiron-3542:~$ ls
                                     examples.desktop
                                                         Music
                                                                     Python-3.8.0
                Desktop
Akash
                                     hello.c
                                                         Newfolder sample
a.out
                Directory
                                     hello.i
                                                         new.txt
                                                                     snap
composer.phar Documents
                                     hello.o
                                                         pico
                                                                     Templates
demo1.pdf
                Downloads
                                     hello.s
                                                         Pictures
                                                                     Test.pdf
                eclipse
                                     index.html
                                                         project
                                                                     Videos
                eclipse-installer mail
Demo.sh
                                                         Public
                                                         Python
Demo.txt~
                eclipse-workspace marks.txt
```

34. gunzip Command

The gunzip command is used to decompress a file. It is a reverse operation of gzip command.

Syntax:

```
gunzip <file1> <file2> <file3>. .
```

```
javatpoint@javatpoint-Inspiron-3542:~$ gunzip Demo.txt Demo1.txt
javatpoint@javatpoint-Inspiron-3542:~$ ls
               Demo.txt~
                                  examples.desktop Music
                                                                Python-3.8.0
                                                    Newfolder
Akash
               Desktop
                                  hello.c
                                                                sample
a.out
               Directory
                                  hello.i
                                                     new.txt
                                                                snap
composer.phar
               Documents
                                  hello.o
                                                                Templates
                                                     pico
demo1.pdf
                                  hello.s
                                                                Test.pdf
               Downloads
                                                     Pictures
Demo1.txt
               eclipse
                                  index.html
                                                     project
                                                                Videos
Demo.sh
               eclipse-installer mail
                                                     Public
               eclipse-workspace marks.txt
Demo.txt
                                                     Python
```

Linux Utility Commands

35. find Command

The find command is used to find a particular file within a directory. It also supports various options to find a file such as byname, by type, by date, and more. The following symbols are used after the find command:

- (.): For current directory name
- (/): For root

Syntax:

find . -name "*.pdf"

Output:

```
javatpoint@javatpoint-Inspiron-3542:~$ find . -name "*.pdf"
./Test.pdf
./Python-3.8.0/Doc/library/turtle-star.pdf
./Akash/Joomla/Origional Copy/Brochure-Joomla-2019.pdf
./Akash/Joomla/Origional Copy/Joomla-Guide-Final.pdf
./.local/share/Trash/files/2400966-250544e72f817db3bcef-1587140240830.pdf
./.local/share/Trash/files/2400966-3ad982eaa58c5d43fb53-1585763620407.pdf
find: './.anydesk/incoming': Permission denied
./Downloads/ConfirmationPage_20030070774.pdf
./demo1.pdf
find: './.dbus': Permission denied
find: './.cache/dconf': Permission denied
./Directory/demo.pdf
./Directory/demo2.pdf
./Directory/demo1.pdf
```

36. locate Command

The locate command is used to search a file by file name. It is quite similar to find command; the difference is that it is a background process. It searches the file in the database, whereas the find command searches in the file system. It is faster than the find command. To find the file with the locates command, keep your database updated.

Syntax:

locate <file name>

Output:

```
javatpoint@javatpoint-Inspiron-3542:-$ locate sysctl.conf
/etc/sysctl.conf
/etc/sysctl.d/99-sysctl.conf
/etc/ufw/sysctl.conf
/etc/ufw/sysctl.conf
/snap/core/8935/etc/sysctl.conf
/snap/core/8935/etc/sysctl.d/99-sysctl.conf
/snap/core/9066/etc/sysctl.conf
/snap/core/9066/etc/sysctl.d/99-sysctl.conf
/snap/core18/1705/etc/sysctl.d/99-sysctl.conf
/snap/core18/1754/etc/sysctl.d/99-sysctl.conf
/usr/share/doc/procps/examples/sysctl.conf
/usr/share/man/man5/sysctl.conf.5.gz
```

37. date Command

The date command is used to display date, time, time zone, and more.

Syntax:

date

```
javatpoint@javatpoint-Inspiron-3542:~$ date
Fri May 22 21:51:05 IST 2020
```

38. cal Command

The cal command is used to display the current month's calendar with the current date highlighted.

Syntax:

cal<

Output:

39. sleep Command

The sleep command is used to hold the terminal by the specified amount of time. By default, it takes time in seconds.

Syntax:

sleep <time>

Output:

```
javatpoint@javatpoint-Inspiron-3542:~$ sleep 4
```

40. time Command

The time command is used to display the time to execute a command.

Syntax:

time

Output:

41. zcat Command

The zcat command is used to display the compressed files.

Syntax:

zcat <file name>

```
javatpoint@javatpoint-Inspiron-3542:~$ ls
                                   examples.desktop
                                                      Music
                                                                  Python-3.8.0
Akash
               Desktop
                                   hello.c
                                                      Newfolder
                                                                 sample
                                                      new.txt
a.out
               Directory
                                   hello.i
                                                                  snap
composer.phar Documents
                                   hello.o
                                                      pico
                                                                  Templates
demo1.pdf
              Downloads
                                                      Pictures
                                                                  Test.pdf
                                   hello.s
Demo1.txt
                                                      project
Public
               eclipse
                                   index.html
                                                                  Videos
               eclipse-installer mail
Demo.sh
          eclipse-workspace marks.txt
                                                      Python
javatpoint@javatpoint-Inspiron-3542:~$ zcat Demo.txt

2

3

4
```

42. df Command

The df command is used to display the disk space used in the file system. It displays the output as in the number of used blocks, available blocks, and the mounted directory.

Syntax:

df

Output:

```
        Javatpoint@javatpoint=Inspiron-3542:~$ df

        Filesystem
        1K-blocks
        Used Available
        Use% Mounted on

        udev
        1931652
        0
        1931652
        0% /dev

        tmpfs
        393260
        1756
        391504
        1% /run

        /dev/sda1
        479668904
        26471148
        428762148
        6% /

        tmpfs
        1966284
        243536
        1722748
        13% /dev/shm

        tmpfs
        5120
        4
        5116
        1% /run/lock

        tmpfs
        1966284
        0
        1906284
        0% /sys/fs/cgroup

        /dev/loop1
        231936
        0
        100% /snap/wine-platform-runtime/136

        /dev/loop2
        144128
        144128
        0
        100% /snap/gnome-3-26-1604/98

        /dev/loop4
        384
        384
        0
        100% /snap/gnome-characters/539

        /dev/loop5
        220160
        220160
        0
        100% /snap/gnome-3-28-1804/116

        /dev/loop5
        164096
        164096
        0
        100% /snap/gnome-3-28-1804/116
```

43. mount Command

The mount command is used to connect an external device file system to the system's file system.

Syntax:

mount -t type <device> <directory>

Output:

```
Javatpoint@javatpoint-Inspiron-3542:-$ mount
sysfs on /sys type sysfs (rw,nosuid,nodev,noexec,relatime)
proc on /proc type proc (rw,nosuid,nodev,noexec,relatime)
udev on /dev type devtmpfs (rw,nosuid,relatime,size=1931652k,nr_inodes=482913,mo
de=755)
devpts on /dev/pts type devpts (rw,nosuid,noexec,relatime,gid=5,mode=620,ptmxmod
e=000)
tmpfs on /run type tmpfs (rw,nosuid,noexec,relatime,size=393260k,mode=755)
/dev/sda1 on / type ext4 (rw,relatime,errors=remount-ro)
securityfs on /sys/kernel/security type securityfs (rw,nosuid,nodev,noexec,relatime)
tmpfs on /dev/shm type tmpfs (rw,nosuid,nodev)
```

44. exit Command

Linux exit command is used to exit from the current shell. It takes a parameter as a number and exits the shell with a return of status number.

Syntax:

exit

Output:

```
javatpoint@javatpoint-Inspiron-3542:~$ exit
```

After pressing the ENTER key, it will exit the terminal.

45. clear Command

Linux **clear** command is used to clear the terminal screen.

Syntax:

clear

Linux Networking Commands

46. ip Command

Linux ip command is an updated version of the ipconfig command. It is used to assign an IP address, initialize an interface, disable an interface.

Syntax:

ip a or ip addr

47. ssh Command

Linux ssh command is used to create a remote connection through the ssh protocol.

Syntax:

ssh user_name@host(IP/Domain_name)

48. mail Command

The mail command is used to send emails from the command line.

Syntax:

mail -s "Subject" <recipient address>

Output:

```
javatpoint@javatpoint-Inspiron-3542:~$ mail -s "Hello World" Himanshudubey481@gmail.com
Cc:
Hello There
Hope you are doing well.
```

49. ping Command

The ping command is used to check the connectivity between two nodes, that is whether the server is connected. It is a short form of "Packet Internet Groper."

Syntax:

ping <destination>

Output:

```
javatpoint@javatpoint-Inspiron-3542:~$ ping javatpoint.com
PING javatpoint.com (194.169.80.121) 56(84) bytes of data.
64 bytes from www.javatpoint.com (194.169.80.121): icmp_seq=1 ttl=48 time=3889 m
64 bytes from www.javatpoint.com (194.169.80.121): icmp_seq=2 ttl=48 time=3043 m
64 bytes from www.javatpoint.com (194.169.80.121): icmp_seq=3 ttl=48 time=2136 m
64 bytes from www.javatpoint.com (194.169.80.121): icmp_seq=4 ttl=48 time=1122 m
65 pinks
```

50. host Command

The host command is used to display the IP address for a given domain name and vice versa. It performs the DNS lookups for the DNS Query.

Syntax:

host <domain name> or <ip address>

```
javatpoint@javatpoint-Inspiron-3542:~$ host javatpoint.com
javatpoint.com has address 194.169.80.121
```

gcc command in Linux

GCC stands for GNU Compiler Collections which is used to compile mainly C and C++ language. It can also be used to compile Objective C and Objective C++. The most important option required while compiling a source code file is the name of the source program, rest every argument is optional like a warning, debugging, linking libraries, object file etc. The different options of *gcc* command allow the user to stop the compilation process at different stages.

Syntax:

```
gcc [-c|-S|-E] [-std=standard]
```

Example:

This will compile the *source.c* file and give the output file as *a.out* file which is default name of output file given by gcc compiler, which can be executed using ./a.out

gcc source.c

```
root@kali:~/Desktop# ls
Shubh source.c
root@kali:~/Desktop# gcc source.c
root@kali:~/Desktop# ls
a.out Shubh source.c
root@kali:~/Desktop#
```

Most Useful Options with Examples: Here *source.c* is the C program code file.

-o opt:

This will compile the source.c file but instead of giving default name hence executed using **./opt**, it will give output file as opt. -*o* is for output file option.

gcc source.c -o opt

```
root@kali:~/Desktop# ls
Shubh source.c
root@kali:~/Desktop# gcc -Wall source.c -o opt
root@kali:~/Desktop# ls
opt Shubh source.c
root@kali:~/Desktop#
```

• -Werror:

This will compile the source and show the warning if any error is there in the program, -W is for giving warnings.

gcc source.c -Werror -o opt

```
root@kali:~/Desktop# ls
Shubh source.c
root@kali:~/Desktop# gcc source.c -Werror -o opt
root@kali:~/Desktop# ls
opt Shubh source.c
root@kali:~/Desktop#
```

• -Wall:

This will check not only for errors but also for all kinds warning like unused variables errors, it is good practice to use this flag while compiling the code.

gcc source.c -Wall -o opt

```
root@kali:~/Desktop# ls
Shubh source.c
root@kali:~/Desktop# gcc source.c -Wall -o opt
root@kali:~/Desktop# ls
opt Shubh source.c
root@kali:~/Desktop#
```

• -ggdb3:

This command give us permissions to debug the program using gdb which will be described later, -*g* option is for debugging.

gcc -ggdb3 source.c -Wall -o opt

```
root@kali:~/Desktop# ls
Shubh source.c
root@kali:~/Desktop# gcc -ggdb3 source.c -Wall -o opt
root@kali:~/Desktop# ls
opt Shubh source.c
root@kali:~/Desktop#
```

• -lm:

This command link *math.h* library to our source file, -l option is used for linking particular library, for math.h we use -lm.

gcc -Wall source.c -o opt -lm

```
root@kali:~/Desktop# ls
Shubh source.c
root@kali:~/Desktop# gcc -Wall source.c -o opt -lm
root@kali:~/Desktop# ls
opt Shubh source.c
root@kali:~/Desktop#
```

• -std=c11:

This command will use the c11 version of standards for compiling the *source.c* program, which allows to define variable under loop initializations also using newer standards version is preferred.

gcc -Wall -std=c11 source.c -o opt

```
root@kali:~/Desktop# ls
Shubh source.c
root@kali:~/Desktop# gcc -std=cll -Wall source.c -o opt
root@kali:~/Desktop# ls
opt Shubh source.c
root@kali:~/Desktop#
```

• -c:

This command compile the program and give the object file as output, which is used to make libraries.

```
root@kali:~/Desktop# ls
Shubh source.c
root@kali:~/Desktop# gcc -c source.c
root@kali:~/Desktop# ls
Shubh source.c source.o
root@kali:~/Desktop#
```

• -v:

This option is used for the verbose purpose.

```
root@kali:~/Desktop# ls
Shubh source.c
root@kali:~/Desktop# gcc -v source.c -o opt
Using built-in specs.
COLLECT_GCC=gcc
COLLECT_LTO_WRAPPER=/usr/lib/gcc/x86_64-linux-gnu/7/lto-wrapper
OFFLOAD_TARGET_NAMES=nvptx-none
OFFLOAD_TARGET_DEFAULT=1
Target: x86_64-linux-gnu
Configured with: ../src/configure -v --with-pkgversion='Debian 7.2
bugurl=file:///usr/share/doc/gcc-7/README.Bugs --enable-languages=
rig,d,fortran,objc,obj-c++ --prefix=/usr --with-gcc-major-version-
-suffix=-7 --program-prefix=x86_64-linux-gnu- --enable-shared --en
```