

Command	Description
pwd	Print the current path display the path of the current directory
cd <dir>	Change the directory (the path)
cd directory	change to named directory
cd	change to home-directory
cd ~	change to home-directory
cd..	change to parent directory
clear	clear screen
man <command>	View the manual of command read the online manual page for a command
whatis command	brief description of a command
apropos keyword command	match commands with keyword in their man pages
<command> --help	View the help of the command
who	list users currently logged in
whoami	Print information about user
who am i	Print some details about user
passwd	Change the password of the account
date	Display the date and time
cal <month> <year>	Display the calendar of the month
cal <year>	Display the calendar of the year
mkdir <dir name>	Make a directory
rmdir <dir name>	Remove the directory
ls	List the content of current directory (view it as alphabetically ordered column)
ls -l	List the file in current path with long format
ls -a	List all file in current path including dot files
ls -all	List all files including dot files in long format
ls -m	List files separated with comma
ls -r	List the content of current directory in reverse (view it as reverse alphabetically ordered column)
ls -l > <file>.txt	Print the output of the command in the file
ls -l >> <file>.txt	Append the output of the command to file
wc <file>.txt	Count words, lines and character in file
wc -w <file>.txt	Count the words in the file
wc -l <file>.txt	Count the lines in the file

<code>wc -c <file>.txt</code>	Count the characters in the file
<code>cat <file>.txt</code>	Display the content of the file
<code>cat -n <file>.txt</code>	Display the content of the file with line number
<code>cat file1 file2 > file0</code>	concatenate file1 and file2 to file0
<code>more file</code>	display a file a page at a time ([q] للإنتهاء)
<code>Head -linesNumber file</code>	display the first few lines of a file
<code>Tail -linesNumber file</code>	display the last few lines of a file
<code>grep 'keyword' file</code>	search a file for keywords
<code>grep -vnc 'keyword' file</code>	-v display those lines that do NOT match -n precede each matching line with the line number -c print only the total count of matched lines -i لا تراعي حالة الحرف
<code>cp <file1> <file2></code>	Copy file1 into file2
<code>cp -i <file1> <file2></code>	As the above but prompt confirmation dialog
<code>cp <file1> <file2> <dir></code>	Copy file1 and file2 in directory
<code>cp <dir1>/* <dir2></code>	Copy content of directory 1 in directory 2
<code>cp -r <dir1> <dir2></code>	As the above but if directory 2 not exist, create it
<code>mv <file1> <file2></code>	Move file 1 in file 2
<code>mv -i <file1> <file2></code>	As the above but prompt confirmation dialog
<code>mv <file1> <file2> <dir></code>	Move file 1 and file 2 into directory
<code>rm <file></code>	Remove the file
<code>rm -i <file></code>	Remove the file but with confirm message
<code>rm -r <dir></code>	Remove the directory with contents
<code>rm *.html</code>	Remove all html file in current directory
<code>command > filecat</code> example : <code>cat > os.txt</code>	redirect standard output to a file (لأنهاء الكتابة ^D)
<code>cat list1 list2 > biglist</code>	cat command to join (concatenate) list1 and list2 into a new file called biglist
<code>command >> file</code> example: <code>cat >> os.txt</code>	append standard output to a file
<code>command < file</code> <code>sort < os.txt</code>	redirect standard input from a file
<code>Sort</code> Example : <code>sort < os.txt</code>	sort data
<code>sort < biglist > slist</code>	Sorted list will be output to the screen. To output the sorted list to a file

<code>command1 command2</code> example: <code>who wc -l</code>	pipe the output of command1 to the input of command2
<code>sudo su</code>	Switch to super user mode
<code>sudo apt-get install <app></code>	Install application from internet
<code>sudo apt-get remove <app></code>	Remove the application
<code>gcc <file>.c -o <execfile></code>	Compile c file and make executable file
<code>./<execfile></code>	Run the C executable file
<code>sudo apt-get install g++</code>	Install c++ compiler
<code>g++ <file>.cpp -o <execfile></code>	Compile c++ file and make executable file
<code>./<execfile></code>	Run the executable file
<code>apt-get install openjdk-7-jdk</code>	Install the JDK
<code>javac <file>.java</code>	Compile the java file
<code>java <file></code>	Run the java file
<code>chmod <per> <file></code>	Change the permission of the file

- Letter:

Permissions in Linux	Permission
w	Write
r	Read
x	Execute
-	No permission

User	Letter
Owner	W
Group	G
Other	O
All	a

+	Add permission
-	Remove permission
=	Assign Permission

Add and remove Permission:

- Octal:

0	No permissions
1	Execute (x)
2	Write (w)
4	Read (r)

chmod ug+wx <file>	ug: user and group +: add permission wr: write and execute
chmod o-x	o: other -: remove permission x: execute
chmod u=g	Assign the permission of group to user

Examples:

1_

Chmod 765 <file>	7:1+2+4 (All permission for user) 6:2+4 (write and read for group) 5:1+4 (execute and read for other)
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2_

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-rwxr--r-- 1 iug iug 15 Oct 28 02:53 os.txt
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-	file
rwx	Permission of the owner
rw-	Permission of the group
r--	Permission of the other
iug	User
iug	Group name
15 Oct 28 02:53	Date and time
Os.txt	File name