



اَوْنُوْ سَيِّتِيْ تِيْكَوْ لُوْ كِيْ مَارَا
UNIVERSITI
TEKNOLOGI
MARA

GROUP: M3CS2453A

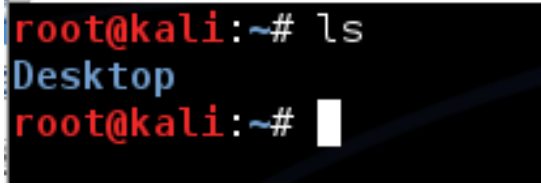
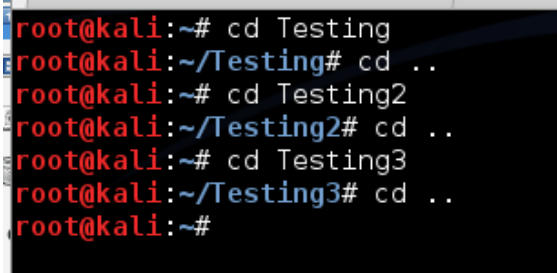
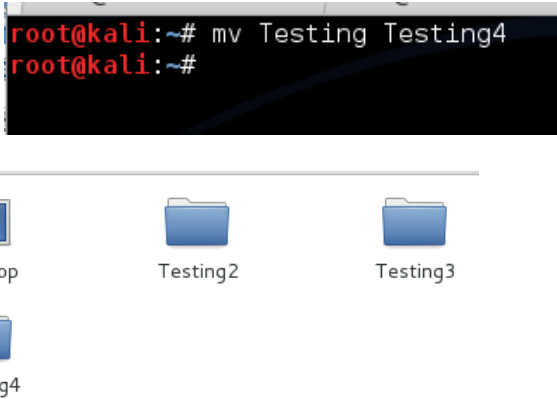




ITT450

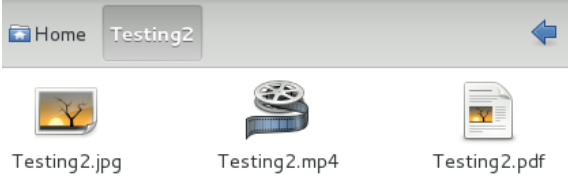
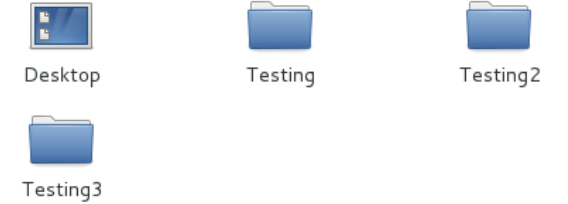
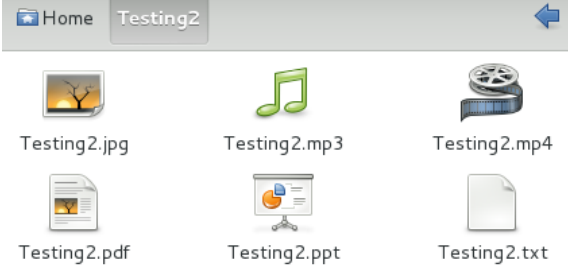
(INFORMATION AND NETWORK SECURITY)

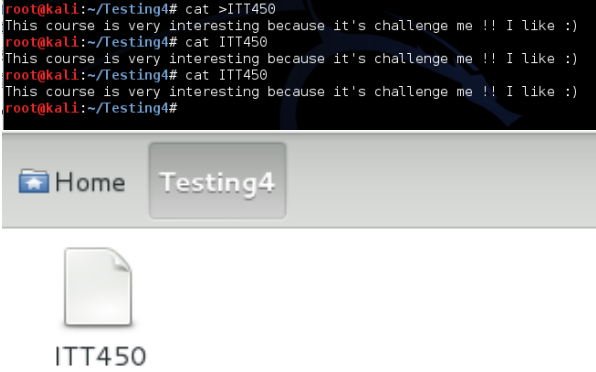
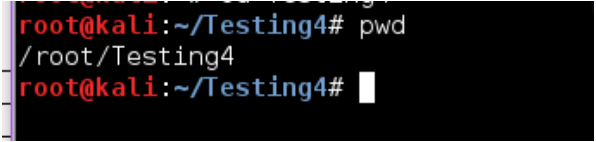
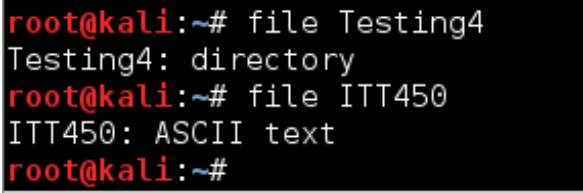
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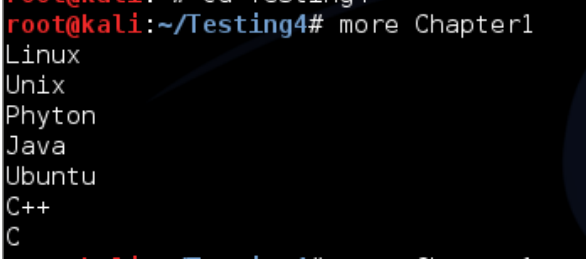
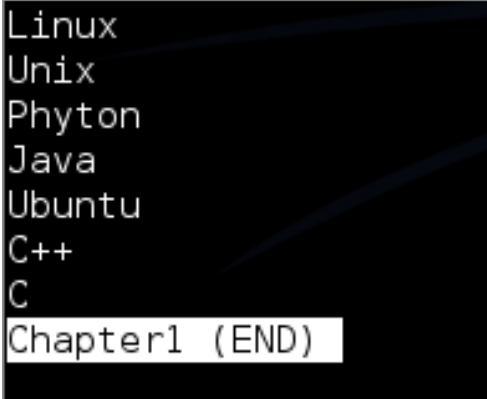
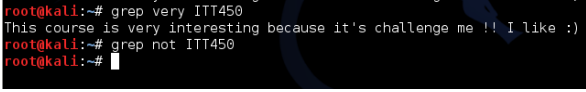
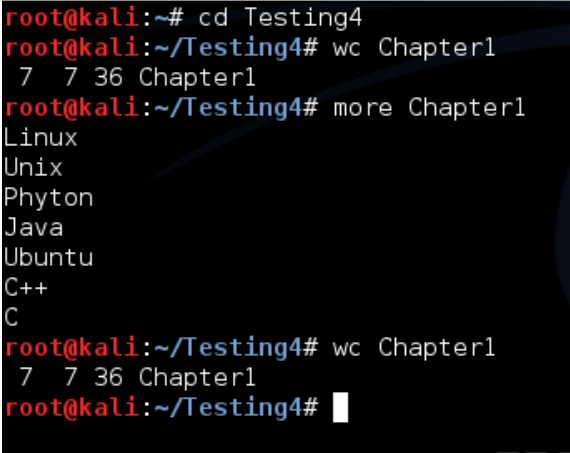
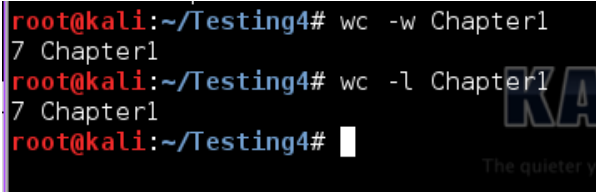
NAMA	NO MATRIC
ZAIMAH BINTI JAMALUDDIN	2017917675

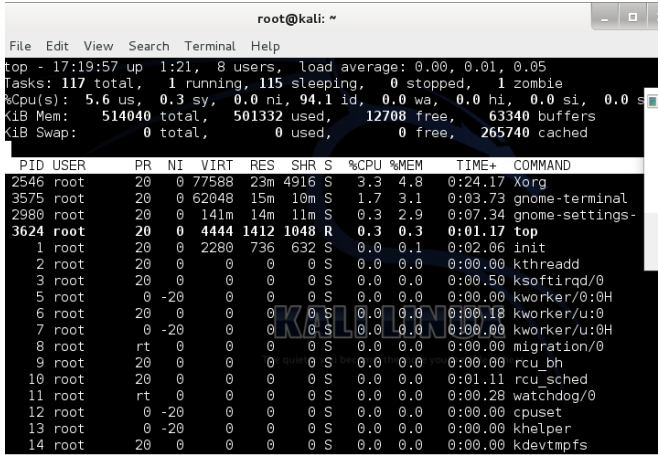
Commands in Kali Linux

Command	Explanation	Example of output
ls	<p>The function is when it is being executed with no option or parameter, and then it will enlist files and subdirectories of current directories.</p> <p>Eg: When I run the command ls, the output 'Desktop' show the current directories.</p>	 <pre>root@kali:~# ls Desktop root@kali:~#</pre>
cd	<p>To change the folder of the terminal's shell.</p> <p>It have 2 function: cd : If we want to select the folder. cd .. : If we want to remove the current folder.</p>	 <pre>root@kali:~# cd Testing root@kali:~/Testing# cd .. root@kali:~# cd Testing2 root@kali:~/Testing2# cd .. root@kali:~# cd Testing3 root@kali:~/Testing3# cd .. root@kali:~#</pre>
mv	<p>Rename or move a file from one location to another.</p>	 <pre>root@kali:~# mv Testing Testing4 root@kali:~#</pre> <div> Desktop</div> <div> Testing2</div> <div> Testing3</div> <div> Testing4</div>

<p>rm</p>	<p>To remove the files.</p> <p>Eg : For Testing2.txt , Testing2.ppt , Testing2.mp3 already remove from directory Testing2.</p>	<pre>root@kali:~/Testing2# rm Testing2.txt root@kali:~/Testing2# rm Testing2.ppt root@kali:~/Testing2# rm Testing2.mp3 root@kali:~/Testing2#</pre> 
<p>mkdir/rmdir</p>	<p>mkdir : To make directory.</p> <p>rmdir : To delete the directory.</p>	<pre>root@kali:~# mkdir Testing root@kali:~# mkdir Testing2 root@kali:~# mkdir Testing3 root@kali:~#</pre> 
<p>touch</p>	<p>Create new, empty files on existing files and directories.</p> <p>Eg: I create new contents in the folder Testing2.</p>	<pre>root@kali:~# cd Testing2 root@kali:~/Testing2# touch Testing2.txt root@kali:~/Testing2# touch Testing2.pdf root@kali:~/Testing2# touch Testing2.jpg root@kali:~/Testing2# touch Testing2.mp4 root@kali:~/Testing2# touch Testing2.mp3 root@kali:~/Testing2# touch Testing2.ppt root@kali:~/Testing2#</pre> 

cat	<p>Concatenate and print (display) the content of files.</p> <p>Eg: I create “This course is very interesting because it’s challenge me !! I like 😊” at text name ITT450 in Testing4 directory.</p>	
pwd	<p>Print working directory, prints the current working directory with full path name from terminal.</p>	
file	<p>Determine file type.</p> <p>Eg: Testing4 is directory and the ITT450 is ASCII text.</p>	
ln	<p>Create a symbolic link to a file.</p>	
chmod/chown	<p>chmod: Change access permissions.</p> <p>chown: Change file owner and group.</p>	

<p>more/less</p>	<p>The command more allows us to quickly view a text file or any section.</p> <p>And,</p> <p>The command less same as more command, the different is more command scroll forward but less command scroll back as well.</p>	<p>more:</p>  <p>less:</p> 
<p>grep</p>	<p>It functions to search file(s) for specific.</p>	
<p>wc</p>	<p>It stands for word count, prints the count of lines, words and characters.</p> <p>If we just looking to print the word count, use the -w option.</p> <p>For the line count use the -l option.</p>	 

kill	Allows to kills process.	<pre> root@kali:~# kill -l 1) SIGHUP 2) SIGINT 3) SIGQUIT 4) SIGILL 5) SIGTRAP 6) SIGABRT 7) SIGBUS 8) SIGFPE 9) SIGKILL 10) SIGUSR1 11) SIGSEGV 12) SIGUSR2 13) SIGPIPE 14) SIGALRM 15) SIGTERM 16) SIGSTKFLT 17) SIGCHLD 18) SIGCONT 19) SIGSTOP 20) SIGTSTP 21) SIGTTIN 22) SIGTTOU 23) SIGURG 24) SIGXCPU 25) SIGXFSZ 26) SIGVTALRM 27) SIGPROF 28) SIGWINCH 29) SIGIO 30) SIGPWR 31) SIGSYS 34) SIGRTMIN 35) SIGRTMIN+1 36) SIGRTMIN+2 37) SIGRTMIN+3 38) SIGRTMIN+4 39) SIGRTMIN+5 40) SIGRTMIN+6 41) SIGRTMIN+7 42) SIGRTMIN+8 43) SIGRTMIN+9 44) SIGRTMIN+10 45) SIGRTMIN+11 46) SIGRTMIN+12 47) SIGRTMIN+13 48) SIGRTMIN+14 49) SIGRTMIN+15 50) SIGRTMAX-14 51) SIGRTMAX-13 52) SIGRTMAX-12 53) SIGRTMAX-11 54) SIGRTMAX-10 55) SIGRTMAX-9 56) SIGRTMAX-8 57) SIGRTMAX-7 58) SIGRTMAX-6 59) SIGRTMAX-5 60) SIGRTMAX-4 61) SIGRTMAX-3 62) SIGRTMAX-2 63) SIGRTMAX-1 64) SIGRTMAX root@kali:~# </pre>
ps	Displays information of current active processes.	<pre> root@kali:~# ps PID TTY TIME CMD 3582 pts/0 00:00:00 bash 3727 pts/0 00:00:00 ps root@kali:~# </pre>
top	<p>It will show information like tasks, memory, cpu and swap.</p> <p>To quit the window just press 'q'.</p>	 <pre> root@kali: ~ File Edit View Search Terminal Help top - 17:19:57 up 1:21, 8 users, load average: 0.00, 0.01, 0.05 Tasks: 117 total, 1 running, 115 sleeping, 0 stopped, 1 zombie %Cpu(s): 5.6 us, 0.3 sy, 0.0 ni, 94.1 id, 0.0 wa, 0.0 hi, 0.0 si, 0.0 st KiB Mem: 514040 total, 501332 used, 12708 free, 63340 buffers KiB Swap: 0 total, 0 used, 0 free, 265740 cached PID USER PR NI VIRT RES SHR S %CPU %MEM TIME+ COMMAND 2546 root 20 0 77588 23m 4916 S 3.3 4.8 0:24.17 Xorg 3575 root 20 0 62048 15m 10m S 1.7 3.1 0:03.73 gnome-terminal 2980 root 20 0 141m 14m 11m S 0.3 2.9 0:07.34 gnome-settings- 3624 root 20 0 4444 1412 1048 R 0.3 0.3 0:01.17 top 1 root 20 0 2280 736 632 S 0.0 0.1 0:02.06 init 2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd 3 root 20 0 0 0 0 S 0.0 0.0 0:00.50 ksoftirqd/0 5 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 kworker/0:0H 6 root 20 0 0 0 0 S 0.0 0.0 0:00.18 kworker/u:0 7 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 kworker/u:0H 8 root rt 0 0 0 0 0 S 0.0 0.0 0:00.00 migration/0 9 root 20 0 0 0 0 S 0.0 0.0 0:00.00 rcu_bh 10 root 20 0 0 0 0 S 0.0 0.0 0:01.11 rcu_sched 11 root rt 0 0 0 0 0 S 0.0 0.0 0:00.28 watchdog/0 12 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 cpuset 13 root 0 -20 0 0 0 S 0.0 0.0 0:00.00 khelper 14 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kdevtmpfs </pre>
uname	Print system information.	<pre> root@kali:~# uname Linux root@kali:~# </pre>
uptime	Show uptime.	<pre> root@kali:~# uptime 17:31:57 up 1:33, 8 users, load average: 0.00, 0.01, 0.05 root@kali:~# </pre>
ping	Check other system are reachable from the host system.	

netstat

To show the
Networking
information.

```
root@kali:~# netstat
Active Internet connections (w/o servers)
Proto Recv-Q Send-Q Local Address           Foreign Address         State
Active UNIX domain sockets (w/o servers)
Proto RefCnt Flags   Type       State       I-Node Path
unix  16      [ ]     DGRAM      CONNECTED   6383      /dev/log
unix  3        [ ]     STREAM     CONNECTED   9060
unix  3        [ ]     STREAM     CONNECTED  10728      @/tmp/dbus-nyCeYIxn3
unix  3        [ ]     STREAM     CONNECTED   8740
unix  3        [ ]     STREAM     CONNECTED   7722      @/tmp/dbus-nyCeYIxn3
unix  3        [ ]     STREAM     CONNECTED   9356      @/tmp/dbus-nyCeYIxn3
unix  3        [ ]     STREAM     CONNECTED  10813      @/dbus-vfs-daemon/socket
ket-8JFEw547
unix  3        [ ]     STREAM     CONNECTED   9363      @/dbus-vfs-daemon/socket
ket-u8yqjRT9
unix  3        [ ]     STREAM     CONNECTED   9154      @/tmp/dbus-nyCeYIxn3
unix  3        [ ]     STREAM     CONNECTED   8219      @/tmp/dbus-nyCeYIxn3
unix  3        [ ]     STREAM     CONNECTED   8025
unix  3        [ ]     STREAM     CONNECTED   7879
unix  3        [ ]     STREAM     CONNECTED   7708      @/tmp/.X11-unix/X0
unix  2        [ ]     DGRAM      6442
unix  3        [ ]     STREAM     CONNECTED  10236
unix  3        [ ]     STREAM     CONNECTED   9002
```