



Module Code & Module Title Level 5 – Operating Systems

Assessment Type
Logbook 8
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Submitted To: Sharika Dahal

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I confirm that I understand my coursework needs to be submitted online via MST Classroom under the relevant module page before the deadline in order for my assignment to be accepted and marked. I am fully aware that late submissions will be treated as non-submission and a mark of zero will be awarded

Week 8 Workshop Tasks

Write your tasks and your observations in your logbooks.

1) Create the directory structure presented in the figure below.

```
(kali@ kali)-[~]
$ mkdir-p W8/8cat-grep
```

2) Change to the 8cat-grep directory by one step using a relative pathname.

```
21 grep -v ll testa
(kali@kali)=[~]esta
$cd W8/8cat-grep
24 grep -1 ll *
```

3) Using the cat utility, create two files

File testa File testb

Kkkll KKKKK

IIImm LLLLL

oo-oo MMMMM

mmmdd DDDDD

dddkk

```
(kali@ kali)-[~/W8/8cat-grep]
$ cat>testab
KKKKK
LLLLL
MMMMM
DDDDD
```

- 4) Give the following commands and explain the results for yourself
- grep II testa

• grep -v II testa

```
(kali⊕ kali)-[~/W8/8cat-grep]sta ed.
$ grep -v ll testa directory
mmmdd Desktop is a directory
dddkk Documents is a directory
```

• grep -n II testa

```
(kali® kali)-[~/W8/8cat-grep]
$grepl-n:ll testa a directory

1:Kkkllaptop: Is a directory
2:lllmm.sic: Is a directory
grep: Nepal: Is a directory
```

• grep -l II *

```
(kali@ kali)-[~/W8/8cat-grep]

$ grep -l ll *
testa Public is a directory
```

• grep -i II *

• grep -i LL *

```
(kali) kali)-[-/w8/8cat-grep]
$ grep -i LL *
testa:Kkkll
testa:llmm
testab:LLLL
```

• grep -c II *

```
(kali@ kali)=[~/W8/8cat-grep]
$ grep -c ll * directory
testa:2
testab:0
```

• grep '^K' testa testb

```
(kali@ kali)-[~/W0/8cat-grep]
$ grep '^k' testa testb
testa:|kkll
grep: testb: No such file or directory
```

• grep -n '^' testa

6) Define the Isal alias for Is -al command

Show that your system stores it giving the alias command (without arguments). Use it in your home directory.

```
32 alias

(kali® kali)÷[~/W8/8cat-grep]" >> ~/.bashrc

$ alias ||sal='ls-al'
```

```
(kali® kali)-[~/W8/8cat-grep]
$ alias
diff='diff --color=auto'
egrep='egrep --color=auto'
fgrep='grep --color=auto'
fgrep='grep --color=auto'
history='history 0'
ip='ip --color=auto'
l='ls -CF'
la='ls -A'
ll='ls -l'
ls='ls --color=auto'
lsal='ls -al'
which-command=whence
```

7) Remove the alias.

Show that your system does not store it.

```
(kali@ kali)-[~/W8/8cat-grep]
$ unalias lsal
```

8) Define this alias again preserving it for the next session

Show that the system still keep this your alias.

9) Define the nwho alias for the number of system file at UNIX computers. alias nwho='getent passwd|wc -l'

```
(kali® kali)-[~/W8/8cat-grep]
$ alias nwho='cat /etc/passwd | wc -l'
```

10) Give the command nwho. Compare the figure displayed with ones got by your UNIX-mates.

```
grep: Documents: Is a directory

(kali@ kali)-[~/W8/8cat-grep]

$ nwhoani: Is a directory

56 p: foldername: Is a directory

grep: Laptop: Is a directory
```

11) List your last commands executed giving the history command.

```
46 grep '^K' testa testb
47 grep -n '^' testa
48 alias lsal='ls -al'
49 alias
50 unalias lsal
51 lsal
52 alias
53 alias nwho='cat /etc/passwd | wc -l'
54 nwho
```

12) Re-execute the last but one command using the redo (r) command and the number of the event.

13) Re-execute the command given three commands ago using the negative integer.

!-3

```
(kali® kali)-[~/W8/8cat-grep]
$!-3
```

14) Re-execute the last command which name begins with 'l'.

fc -e- I

```
File Actions Edit View Help

[Galia Nation: [-/MM/Rest-grep]]

[Galia Nation: [-/MM/Rest-gree]]

[Galia Nati
```

```
| Marie | Part |
```