



UNIX AND LINUX ESSENTIALS

ASSIGNMENT – 8.1

SUBMITTED BY:

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B.C.A -I.O.T.

Assignment 8.1: -

Redirection:-

```
root@kali: ~  
root@kali: ~ 96x37  
root@kali:~# ls  
bettercap.history      Pictures      wpa_handshake-01.cap  
Desktop                Public       wpa_handshake-01.csv  
Documents              rtl8188eus  wpa_handshake-01.kismet.csv  
Downloads              Templates   wpa_handshake-01.kismet.netxml  
embedded-browser-no-sandbox.json test.txt     wpa_handshake-01.log.csv  
Music  
root@kali:~# ls > ay.txt  
root@kali:~# ls  
ay.txt                Music        Videos  
bettercap.history    Pictures     wpa_handshake-01.cap  
Desktop              Public      wpa_handshake-01.csv  
Documents            rtl8188eus wpa_handshake-01.kismet.csv  
Downloads            Templates   wpa_handshake-01.kismet.netxml  
embedded-browser-no-sandbox.json test.txt     wpa_handshake-01.log.csv  
root@kali:~# cat ay.txt  
ay.txt  
bettercap.history  
Desktop  
Documents  
Downloads  
embedded-browser-no-sandbox.json  
Music  
Pictures  
Public  
rtl8188eus  
Templates  
test.txt  
Videos  
wpa_handshake-01.cap  
wpa_handshake-01.csv  
wpa_handshake-01.kismet.csv  
wpa_handshake-01.kismet.netxml  
wpa_handshake-01.log.csv  
root@kali:~#
```

Appends case :-

```
root@kali: ~/Desktop  
root@kali: ~/Desktop 96x37  
root@kali:~# cd Desktop  
root@kali:~/Desktop# ls  
A a.txt A.txt ay.txt Ayush b b.txt c.txt d.txt e.txt f.txt  
root@kali:~/Desktop# ls >>ay.txt  
root@kali:~/Desktop# cat ay.txt  
ay.txt  
bettercap.history  
Desktop  
Documents  
Downloads  
embedded-browser-no-sandbox.json  
Music  
Pictures  
Public  
rtl8188eus  
Templates  
test.txt  
Videos  
wpa_handshake-01.cap  
wpa_handshake-01.csv  
wpa_handshake-01.kismet.csv  
wpa_handshake-01.kismet.netxml  
wpa_handshake-01.log.csv  
A  
a.txt  
A.txt  
ay.txt  
Ayush  
b  
b.txt  
c.txt  
d.txt  
e.txt  
f.txt  
root@kali:~/Desktop#
```

Pipe and tee :-

```
root@kali: ~/Desktop
root@kali: ~/Desktop 96x37
root@kali:~# ls | grep D
Desktop
Documents
Downloads
root@kali:~# cd Desktop
root@kali:~/Desktop# ls | tee ay.txt
A
a.txt
A.txt
ay.txt
Ayush
b
b.txt
c.txt
d.txt
e.txt
f.txt
root@kali:~/Desktop# cat ay.txt
A
a.txt
A.txt
ay.txt
Ayush
b
b.txt
c.txt
d.txt
e.txt
f.txt
root@kali:~/Desktop#
```

```
root@kali: ~/Desktop
root@kali: ~/Desktop 96x37
root@kali:~/Desktop# x=2
root@kali:~/Desktop# x1=23
root@kali:~/Desktop# sum=$((x+x1))
root@kali:~/Desktop# echo $x + $x1 = $sum
2 + 23 = 25
root@kali:~/Desktop# echo "Sum of $x and $x1 is $sum"
Sum of 2 and 23 is 25
root@kali:~/Desktop#
```