



CT5052NP Network Operating System (NOS)

Name: Shusil Bk

Londonmet Id: 23048939

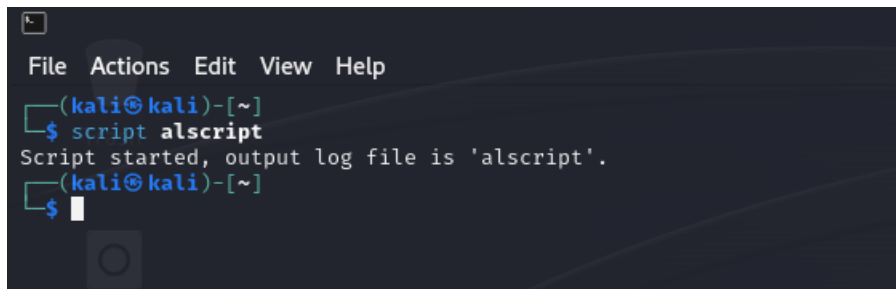
2nd year C6

Submitted to Prasant Adhikari

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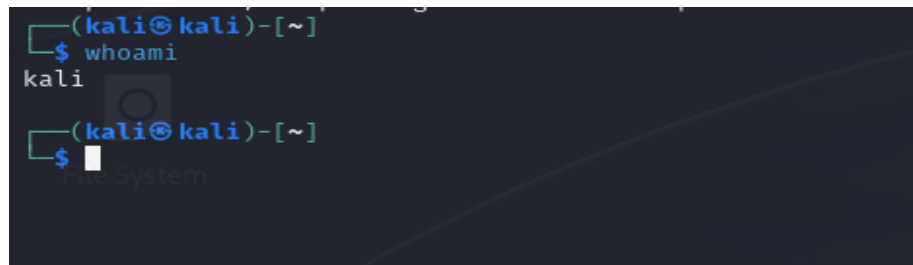
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1. Typing script a1script at the prompt



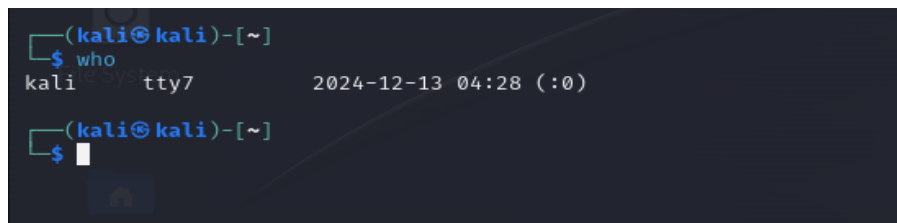
```
(kali㉿kali)-[~]  
$ script alscript  
Script started, output log file is 'alscript'.  
(kali㉿kali)-[~]  
$
```

2. Type whoami to see username



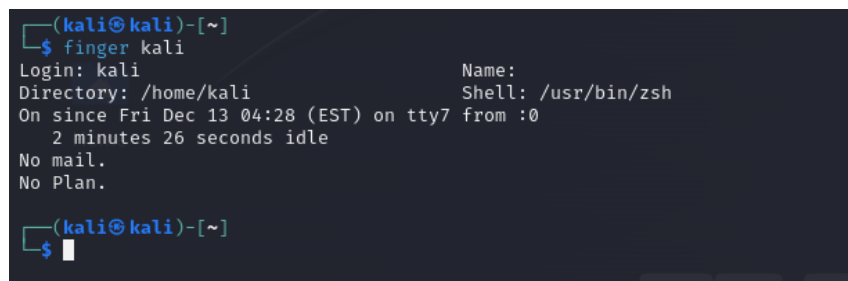
```
(kali㉿kali)-[~]  
$ whoami  
kali  
(kali㉿kali)-[~]  
$
```

3. Typing “Who”



```
(kali㉿kali)-[~]  
$ who  
kali      tty7      2024-12-13 04:28 (:0)  
(kali㉿kali)-[~]  
$
```

4. Typing finger linuxnnn



```
(kali㉿kali)-[~]  
$ finger kali  
Login: kali      Name:  
Directory: /home/kali      Shell: /usr/bin/zsh  
On since Fri Dec 13 04:28 (EST) on tty7 from :0  
2 minutes 26 seconds idle  
No mail.  
No Plan.  
(kali㉿kali)-[~]  
$
```

5. Typing date to see the date

```
(kali@kali)-[~]
$ date
Fri Dec 13 04:31:22 AM EST 2024

(kali@kali)-[~]
$
```

6. Typing ls, ls -a, ls -a -l

```
(kali@kali)-[~]
$ ls
alscript Desktop Documents Downloads Music Pictures Public Templates test1 test2 Videos

(kali@kali)-[~]
$
```

Typing ls -a

```
(kali@kali)-[~]
$ ls -a
. alscript .bashrc .cache Desktop Documents .face .gnupg .java Music .profile Templates test2 .Xauthority .xsession-errors.old .zshrc
.. .bash_logout .bashrc.original .config .dmrc Downloads .face.icon .ICEauthority .local Pictures Public test1 Videos .xsession-errors .zsh_history

(kali@kali)-[~]
$
```

Typing ls -a -l

```
(kali@kali)-[~]
$ ls -a -l
total 144
drwx----- 15 kali kali 4096 Dec 13 04:29 .
drwxr-xr-x  3 root root 4096 Nov 30 2023 ..
-rw-r--r--  1 kali kali 4096 Dec 13 04:32 alscript
-rw-r--r--  1 kali kali 220 Nov 30 2023 .bash_logout
-rw-r--r--  1 kali kali 5551 Nov 30 2023 .bashrc
-rw-r--r--  1 kali kali 3526 Nov 30 2023 .bashrc.original
drwxr-xr-x  7 kali kali 4096 Dec 10 02:11 .cache
drwxr-xr-x 12 kali kali 4096 Dec 9 02:18 .config
drwxr-xr-x  2 kali kali 4096 Dec 9 02:18 Desktop
-rw-r--r--  1 kali kali 35 Dec 9 02:18 .dmrc
drwxr-xr-x  2 kali kali 4096 Dec 9 02:18 Documents
drwxr-xr-x  2 kali kali 4096 Dec 9 02:18 Downloads
-rw-r--r--  1 kali kali 11759 Nov 30 2023 .face
lrwxrwxrwx  1 kali kali 5 Nov 30 2023 .face.icon -> .face
drwx----- 3 kali kali 4096 Dec 9 02:18 .gnupg
-rw----- 1 kali kali 0 Dec 9 02:18 .ICEauthority
drwxr-xr-x  3 kali kali 4096 Nov 30 2023 .java
drwxr-xr-x  4 kali kali 4096 Dec 9 02:18 .local
drwxr-xr-x  2 kali kali 4096 Dec 9 02:18 Music
drwxr-xr-x  2 kali kali 4096 Dec 9 02:18 Pictures
-rw-r--r--  1 kali kali 807 Nov 30 2023 .profile
drwxr-xr-x  2 kali kali 4096 Dec 9 02:18 Public
drwxr-xr-x  2 kali kali 4096 Dec 9 02:18 Templates
-rw-r--r--  1 kali kali 22 Dec 13 02:49 test1
-rw-r--r--  1 kali kali 123 Dec 13 02:54 test2
drwxr-xr-x  2 kali kali 4096 Dec 9 02:18 Videos
-rw----- 1 kali kali 49 Dec 13 04:28 .Xauthority
-rw----- 1 kali kali 4741 Dec 13 04:28 .xsession-errors
-rw----- 1 kali kali 4741 Dec 13 02:40 .xsession-errors.old
-rw----- 1 kali kali 11 Dec 9 02:19 .zsh_history
-rw-r--r--  1 kali kali 10868 Nov 30 2023 .zshrc

(kali@kali)-[~]
$
```

7. Typing cat/etc/passwd

```
(kali㉿kali)-[~]  
$ cat /etc/passwd  
root:x:0:0:root:/root:/usr/bin/zsh  
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin  
bin:x:2:2:bin:/bin:/usr/sbin/nologin  
sys:x:3:3:sys:/dev:/usr/sbin/nologin  
sync:x:4:65534:sync:/bin:/bin/sync  
games:x:5:60:games:/usr/games:/usr/sbin/nologin  
man:x:6:12:man:/var/cache/man:/usr/sbin/nologin  
lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin  
mail:x:8:8:mail:/var/mail:/usr/sbin/nologin  
news:x:9:9:news:/var/spool/news:/usr/sbin/nologin  
uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin  
proxy:x:13:13:proxy:/bin:/usr/sbin/nologin  
www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin  
backup:x:34:34:backup:/var/backups:/usr/sbin/nologin  
list:x:38:38:Mailing List Manager:/var/list:/usr/sbin/nologin  
irc:x:39:39:ircd:/run/ircd:/usr/sbin/nologin  
_apt:x:42:65534::/nonexistent:/usr/sbin/nologin  
nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin  
systemd-network:x:998:998:systemd Network Management:/:/usr/sbin/nologin  
systemd-timesync:x:992:992:systemd Time Synchronization:/:/usr/sbin/nologin  
messagebus:x:100:102::/nonexistent:/usr/sbin/nologin  
tss:x:101:104:TPM software stack,,,:/var/lib/tpm:/bin/false  
strongswan:x:102:65534::/var/lib/strongswan:/usr/sbin/nologin  
tcpdump:x:103:105::/nonexistent:/usr/sbin/nologin  
usbmux:x:104:46:usbmux daemon,,,:/var/lib/usbmux:/usr/sbin/nologin  
sshd:x:105:65534::/run/sshd:/usr/sbin/nologin  
dnsmasq:x:106:65534:dnsmasq,,,:/var/lib/misc:/usr/sbin/nologin  
avahi:x:107:108:Avahi mDNS daemon,,,:/run/avahi-daemon:/usr/sbin/nologin  
speech-dispatcher:x:108:29:Speech Dispatcher,,,:/run/speech-dispatcher:/bin/false  
pulse:x:109:110:PulseAudio daemon,,,:/run/pulse:/usr/sbin/nologin  
lightdm:x:110:112:Light Display Manager:/var/lib/lightdm:/bin/false  
saned:x:111:114::/var/lib/saned:/usr/sbin/nologin  
polkitd:x:991:991:polkit:/nonexistent:/usr/sbin/nologin  
rtkit:x:112:115:RealtimeKit,,,:/proc:/usr/sbin/nologin  
colord:x:113:116:colord colour management daemon,,,:/var/lib/colord:/usr/sbin/nologin  
nm-openvpn:x:114:117:NetworkManager OpenVPN,,,:/var/lib/openvpn/chroot:/usr/sbin/nologin  
nm-openconnect:x:115:118:NetworkManager OpenConnect plugin,,,:/var/lib/NetworkManager:/usr/sbin/nologin  
_galera:x:116:65534::/nonexistent:/usr/sbin/nologin  
mysql:x:117:120:MariaDB Server,,,:/nonexistent:/bin/false  
stunnel4:x:990:990:stunnel service system account:/var/run/stunnel4:/usr/sbin/nologin  
_rpc:x:118:65534::/run/rpcbind:/usr/sbin/nologin  
geoclue:x:119:122::/var/lib/geoclue:/usr/sbin/nologin  
Debian-snmp:x:120:123::/var/lib/snmp:/bin/false  
sslh:x:121:124::/nonexistent:/usr/sbin/nologin  
ntpsec:x:122:127::/nonexistent:/usr/sbin/nologin
```

8. Creating file echo "This is a one-line file" > test1

```
(kali㉿kali)-[~]  
$ echo "This is a one-line file" > test1  
  
(kali㉿kali)-[~]  
$
```

9. Creating another file where ^D means CTRL-D.

```
(kali㉿kali)-[~]  
$ cat > test2  
  
This is file two.  
It has several lines.  
Three lines, in fact.
```

10. Showing that file exist

```
(kali㉿kali)-[~]  
$ cat > test2  
  
This is file two.  
It has several lines.  
Three lines, in fact.
```

11. Combining test 1 and test 2

```
(kali㉿kali)-[~]  
$ cat test1 test2 > combined_file
```

12. Exiting the script

```
(kali㉿kali)-[~]  
$ exit  
Script done.
```