LONDON METROPOLITAN UNIVERSITY

islington college

(इस्लिङ्टन कलेज)

Module Code & Module Title

Level 5 – Operating Systems

Assessment Type

Logbook 6

Semester

2024 Autumn

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Submitted To: Sharika Dahal
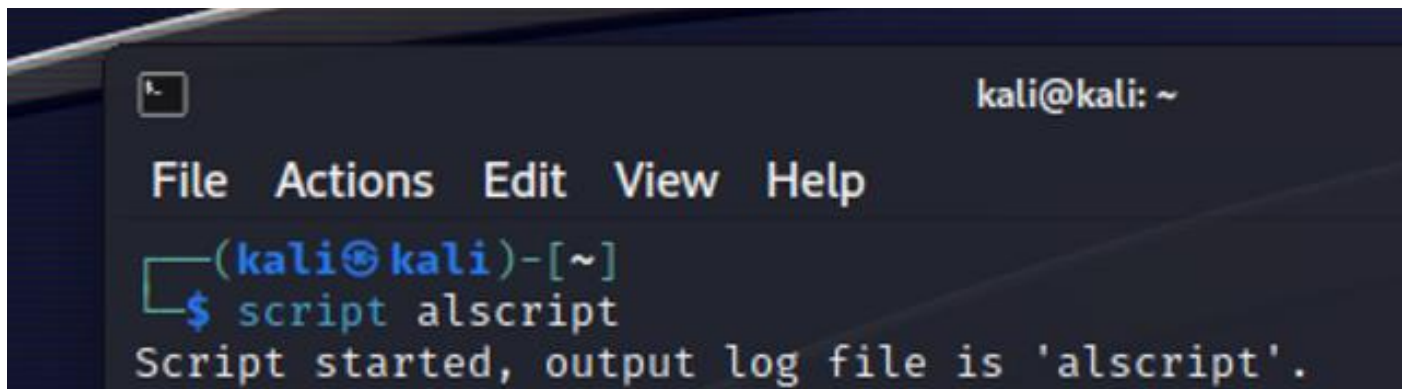
Word Count (Where Required):370

Logbook 6

Objectives:

It aims to teach how to start and manage a script, check system information such as the username, date, and files, as well as explore the contents of files. The workshop also focuses on creating and combining text files, navigating directories using both absolute and relative pathnames, and exiting scripts properly. By completing these tasks, students will gain hands-on experience with essential command-line operations and improve their understanding of file management and navigation in a Unix environment.
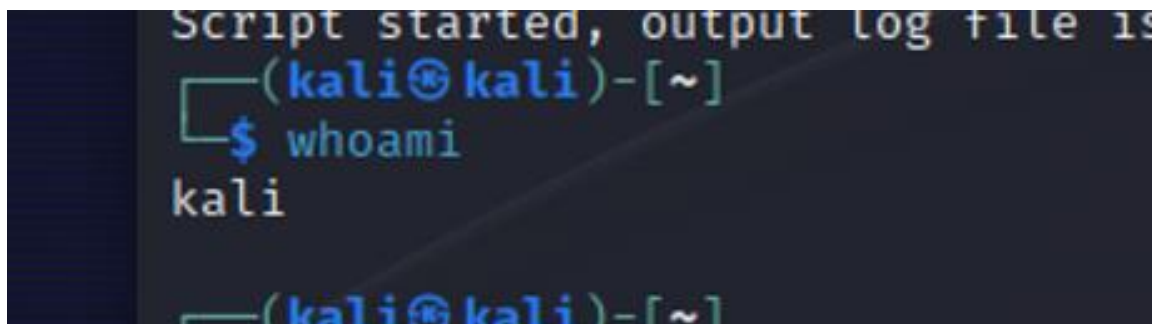
Steps

Step 1: *Type "alscript" at the prompt to start the script and initialize the first step.*

Step 2: Type "whoami" at the prompt to display your current username.

Step 3: *Type "date" at the prompt to view today's date and the current time.*

```
┌──(kali㊸kali)-[~]
└─$ date
 Sun Dec  8 10:58:15 PM EST 2024
```

Step 4: Type "ls" at the prompt to display the files and directories in the current location.

```
┌──(kali㊸kali)-[~]
└─$ ls
 alscript   Desktop     Downloads   foldername   Pictures   Templates   zphisher
 class      Documents   evani       Music        Public     Videos
```

Step 5: Type "ls -a" to show all files, including hidden ones that start with a dot.

Step 6: Type "ls -a -l" to view a detailed list of all files, including permissions, ownership, size, and modification date.

```
File  Actions  Edit  View  Help

lrwxrwxrwx  1 kali kali     5 Aug 21  2023 .face.icon → .face
drwxr-xr-x  2 kali kali  4096 Dec  5 22:43 foldername
drwx------  3 kali kali  4096 Nov 29  2023 .gnupg
-rw-------  1 kali kali     0 Nov 29  2023 .ICEauthority
drwxr-xr-x  3 kali kali  4096 Aug 21  2023 .java
drwxr-xr-x  4 kali kali  4096 Nov 29  2023 .local
drwx------  4 kali kali  4096 Feb 20  2024 .mozilla
drwxr-xr-x  2 kali kali  4096 Nov 29  2023 Music
drwxr-xr-x  2 kali kali  4096 Nov 29  2023 Pictures
-rw-r--r--  1 kali kali   807 Aug 21  2023 .profile
drwxr-xr-x  2 kali kali  4096 Nov 29  2023 Public
drwxr-xr-x  2 kali kali  4096 Nov 29  2023 Templates
-rw-r------  1 kali kali     5 Dec  8 22:33 .vboxclient-clipboard-tty7-control
.pid
-rw-r------  1 kali kali     5 Dec  8 22:33 .vboxclient-clipboard-tty7-service
.pid
-rw-r------  1 kali kali     5 Dec  8 22:33 .vboxclient-display-svga-x11-tty7-
control.pid
-rw-r------  1 kali kali     5 Dec  8 22:33 .vboxclient-display-svga-x11-tty7-
service.pid
-rw-r------  1 kali kali     5 Dec  8 22:33 .vboxclient-draganddrop-tty7-contr
ol.pid
-rw-r------  1 kali kali     5 Dec  8 22:33 .vboxclient-draganddrop-tty7-servi
ce.pid
-rw-r------  1 kali kali     5 Dec  8 22:33 .vboxclient-hostversion-tty7-contr
ol.pid
-rw-r------  1 kali kali     5 Dec  8 22:33 .vboxclient-seamless-tty7-control.
```
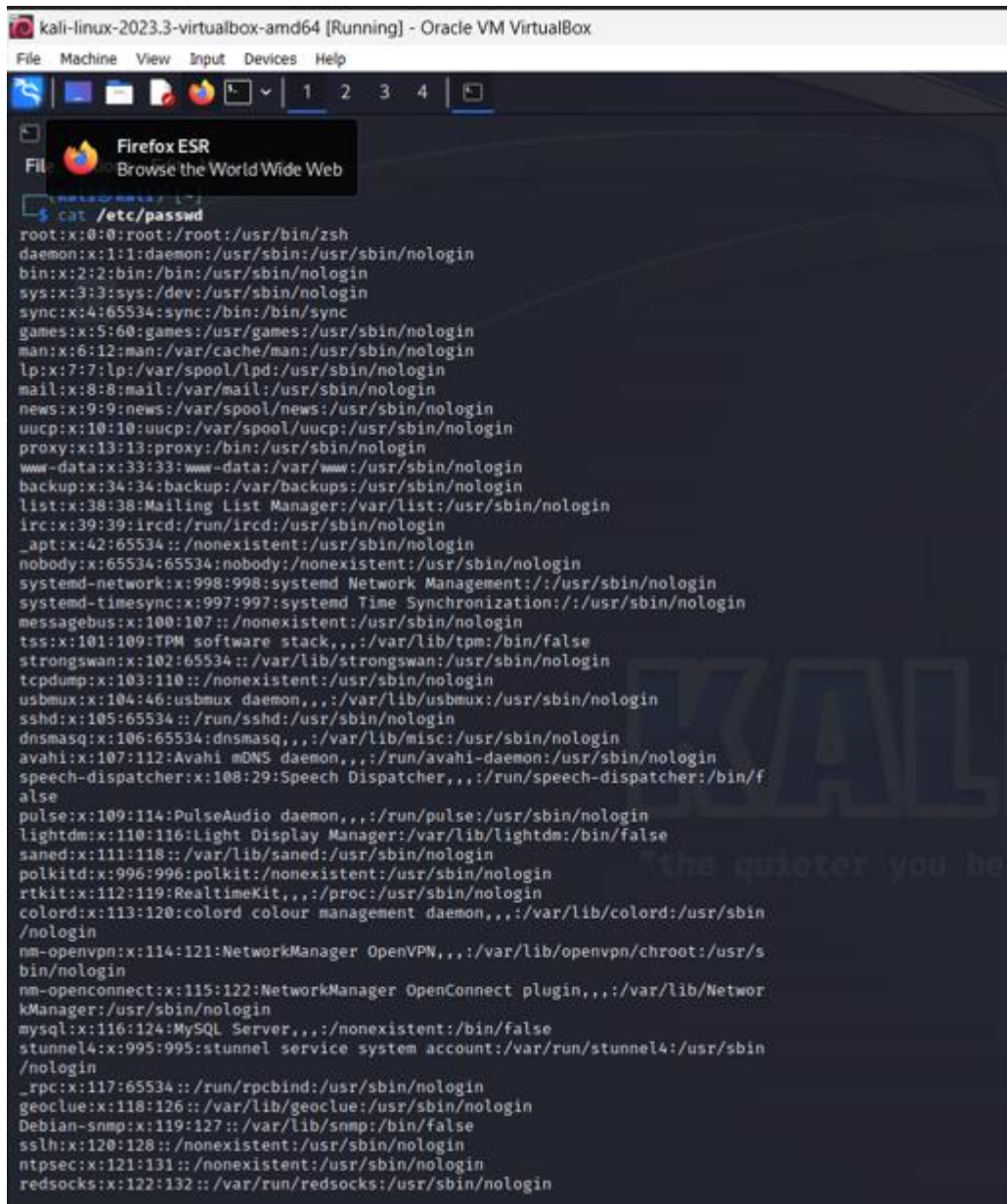


```
File  Actions  Edit  View  Help

.pid
-rw-r------  1 kali kali     5 Dec  8 22:33 .vboxclient-display-svga-x11-tty7-
control.pid
-rw-r------  1 kali kali     5 Dec  8 22:33 .vboxclient-display-svga-x11-tty7-
service.pid
-rw-r------  1 kali kali     5 Dec  8 22:33 .vboxclient-draganddrop-tty7-contr
ol.pid
-rw-r------  1 kali kali     5 Dec  8 22:33 .vboxclient-draganddrop-tty7-servi
ce.pid
-rw-r------  1 kali kali     5 Dec  8 22:33 .vboxclient-hostversion-tty7-contr
ol.pid
-rw-r------  1 kali kali     5 Dec  8 22:33 .vboxclient-seamless-tty7-control.
pid
-rw-r------  1 kali kali     5 Dec  8 22:33 .vboxclient-seamless-tty7-service.
pid
-rw-r------  1 kali kali     5 Dec  8 22:33 .vboxclient-vmsvga-session-tty7-co
ntrol.pid
drwxr-xr-x  2 kali kali  4096 Nov 29  2023 Videos
-rw-------  1 kali kali    49 Dec  8 22:33 .Xauthority
-rw-------  1 kali kali  5928 Dec  8 22:33 .xsession-errors
-rw-------  1 kali kali  5924 Dec  5 22:25 .xsession-errors.old
drwxr-xr-x  8 kali kali  4096 Feb 20  2024 zphisher
-rw-------  1 kali kali    57 Mar 12  2024 .zsh_history
-rw-r--r--  1 kali kali 10868 Aug 21  2023 .zshrc

┌──(kali㉿kali)-[~]
└─$ 
```
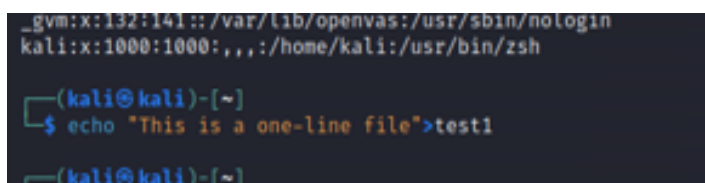
Step 7: Type "cat /etc/passwd" at the prompt to display the contents of the /etc/passwd file, which contains information about user accounts on the system.

Step 8: Type echo "This is a one-line file" > test1 to create a file named test1 containing the text: "This is a one-line file".

Step 9: Create a Multi-Line File, followed by pressing CTRL-D (^D) to save and close the file.

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

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

Step 10: Type "ls" to confirm the file test2 exists, and then type cat test2 to display its contents.

```
┌──(kali㉿kali)-[~]
└─$ ls
alscript  class  Desktop  Documents  Downloads  evani  foldername  Music  Pictures  Public  Templates  test1  test2  Videos  zphisher

┌──(kali㉿kali)-[~]
```

Step 11: Create a tree.

```
┌──(kali㉿kali)-[~]
$ mkdir -p Nepal/{Bagmati/{ktm,Rasuwa},Gandaki/{kaski,gorkha}}

┌──(kali㉿kali)-[~]
$ tree

─ alscript
─ class
─ Desktop
─ Documents
─ Downloads
─ evani
─ foldername
─ Music
─ Nepal
    ├── Bagmati
    │   ├── ktm
    │   └── Rasuwa
    └── Gandaki
        ├── gorkha
        └── kaski
```