

Information Security Management

Lab Assignment 1

Name: Devi Sree Pendyala

1) Explore File System Commands:

- Command: ls
- Solution:

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

- Solution:

```
(kali@kali)-[~]  
$ pwd  
/home/kali
```

- Command: cd ..

- Solution:

```
(kali@kali)-[~/Desktop/Devisree_pendyala]  
$ cd ..
```

- Command: cd ~
- Solution:

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

- Command: cd /
- Solution:

```
(kali@kali)-[~/Desktop]  
$ cd /
```

- Command: mkdir
- Solution:

```
(kali@kali)-[~/Desktop]  
$ mkdir Devisree_pendyala
```

Basic Commands:

```
(kali㉿kali)-[~]
$ ls
Desktop  Documents  Downloads  Music  Pictures  Public  Templates  Videos

(kali㉿kali)-[~]
$ pwd
/home/kali

(kali㉿kali)-[~]
$ cd Desktop

(kali㉿kali)-[~/Desktop]
$ ls

(kali㉿kali)-[~/Desktop]
$ mkdir Devisree_pendyala

(kali㉿kali)-[~/Desktop]
$ cd Devisree_pendyala

(kali㉿kali)-[~/Desktop/Devisree_pendyala]
$ ls

(kali㉿kali)-[~/Desktop/Devisree_pendyala]
$ cd ..

(kali㉿kali)-[~/Desktop]
$ cd /

(kali㉿kali)-[/]
$ cd ~

(kali㉿kali)-[~]
$ ls
Desktop  Documents  Downloads  Music  Pictures  Public  Templates  Videos

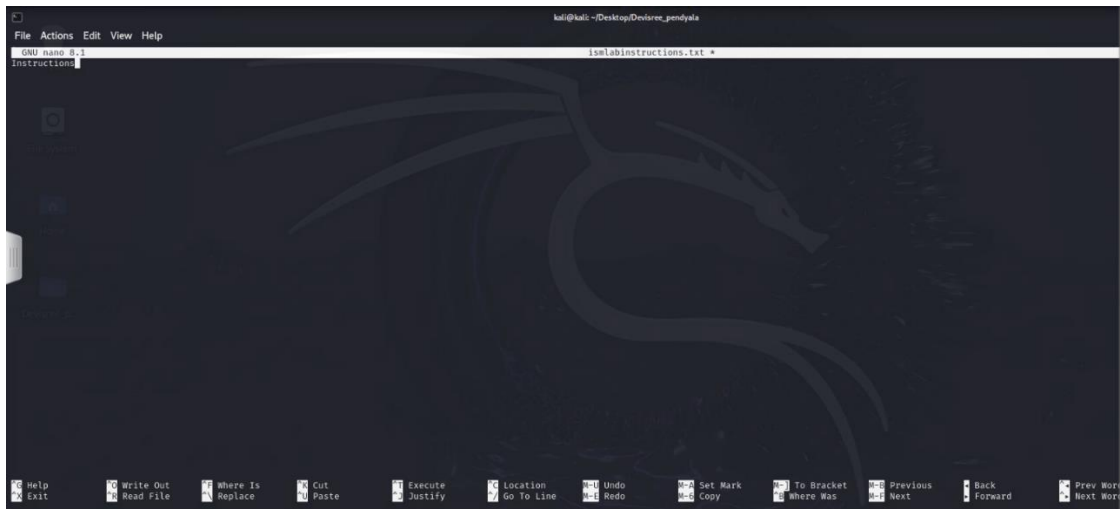
(kali㉿kali)-[~]
$ pwd
/home/kali
```

2) Edit A File Using NANO:

- Command: nano fileName
- Solution:

```
(kali㉿kali)-[~]
$ cd Desktop/Devisree_pendyala

(kali㉿kali)-[~/Desktop/Devisree_pendyala]
$ nano ismlabinstructions.txt
```



3) Create Directory:

- Command: Touch
- Solution:

```
kali@kali: ~/Desktop/Devisree_pendyala
File Actions Edit View Help

(kali@kali)~/Desktop/Devisree_pendyala
$ ls
ism1 ismlabinstructions2.txt ismlabinstructions.txt

(kali@kali)~/Desktop/Devisree_pendyala
$ kali
Command 'kali' not found, but can be installed with:
sudo apt install kali
Do you want to install it? (N/y)

(kali@kali)~/Desktop/Devisree_pendyala
$ whoami
kali

(kali@kali)~/Desktop/Devisree_pendyala
$ mkdir ism1
mkdir: cannot create directory 'ism1': File exists

(kali@kali)~/Desktop/Devisree_pendyala
$ mkdir ism2 ism3

(kali@kali)~/Desktop/Devisree_pendyala
$ ls
ism1 ism2 ism3 ismlabinstructions2.txt ismlabinstructions.txt

(kali@kali)~/Desktop/Devisree_pendyala
$ rmdir ism2 ism3

(kali@kali)~/Desktop/Devisree_pendyala
$ ls
ism1 ismlabinstructions2.txt ismlabinstructions.txt

(kali@kali)~/Desktop/Devisree_pendyala
$ touch ismlabinstructions2.txt

(kali@kali)~/Desktop/Devisree_pendyala
$ ls
ism1 ismlabinstructions2.txt ismlabinstructions.txt

(kali@kali)~/Desktop/Devisree_pendyala
$
```

4) Command: Remove Command:

```
(kali㉿kali)-[~/Desktop/Devisree_pendyala]
$ cat ismlabinstructions.txt
Instructions

(kali㉿kali)-[~/Desktop/Devisree_pendyala]
$ ls
ism1  ismlabinstructions2.txt  ismlabinstructions.txt

(kali㉿kali)-[~/Desktop/Devisree_pendyala]
$ rm ismlabinstructions2.txt

(kali㉿kali)-[~/Desktop/Devisree_pendyala]
$ ls
ism1  ismlabinstructions.txt
```

- Command: Cat
- Solution:

```
(kali㉿kali)-[~/Desktop/Devisree_pendyala]
$ cat ismlabinstructions.txt
Instructions
```

- Command: rm fileName
- Solution:

```
(kali㉿kali)-[~/Desktop/Devisree_pendyala]
$ rm ismlabinstructions2.txt
```

5) Create move and copy document commands:

- Command: mv filename path
- Solution:

```
(kali㉿kali)-[~/Desktop/Devisree_pendyala]  
$ mv ismlabinstructions.txt ~/Desktop
```

- Command: cp fileName1 path
- Solution:

```
(kali㉿kali)-[~/Desktop]  
$ cp ismlabinstructions.txt ~/Desktop/Devisree_pendyala
```

Command Flow:

```
(kali㉿kali)-[~/Desktop/Devisree_pendyala]  
$ mv ismlabinstructions.txt ~/Desktop  
  
(kali㉿kali)-[~/Desktop/Devisree_pendyala]  
$ ls  
ism1  
  
(kali㉿kali)-[~/Desktop/Devisree_pendyala]  
$ cd ..  
  
(kali㉿kali)-[~/Desktop]  
$ ls  
Devisree_pendyala ismlabinstructions.txt  
  
(kali㉿kali)-[~/Desktop]  
$ cp  
cp: missing file operand  
Try 'cp --help' for more information.  
  
(kali㉿kali)-[~/Desktop]  
$ cp ismlabinstructions.txt ~/Desktop/Devisree_pendyala  
  
(kali㉿kali)-[~/Desktop]  
$ ls  
Devisree_pendyala ismlabinstructions.txt  
  
(kali㉿kali)-[~/Desktop]  
$ cd Devisree_pendyala  
  
(kali㉿kali)-[~/Desktop/Devisree_pendyala]  
$ ls  
ism1 ismlabinstructions.txt
```

6) Remove Document Using RI Options:

- Command: rm-ri
- Solution:

```
(kali㉿kali)-[~/Desktop]
$ rm -ri Devisree_pendyala
rm: descend into directory 'Devisree_pendyala'? y
rm: remove directory 'Devisree_pendyala/ismi'? y
rm: remove regular file 'Devisree_pendyala/ismlabinstructions.txt'? n
rm: remove directory 'Devisree_pendyala'? y
rm: cannot remove 'Devisree_pendyala': Directory not empty
```

Commands Flow:

```
(kali㉿kali)-[~/Desktop/Devisree_pendyala]
$ ls
ismi ismlabinstructions.txt

(kali㉿kali)-[~/Desktop/Devisree_pendyala]
$ cd ..

(kali㉿kali)-[~/Desktop]
$ rm -ri Devisree_pendyala
rm: descend into directory 'Devisree_pendyala'?

(kali㉿kali)-[~/Desktop]
$ rm -ri Devisree_pendyala
rm: descend into directory 'Devisree_pendyala'? y
rm: remove directory 'Devisree_pendyala/ismi'? y
rm: remove regular file 'Devisree_pendyala/ismlabinstructions.txt'? n
rm: remove directory 'Devisree_pendyala'? y
rm: cannot remove 'Devisree_pendyala': Directory not empty

(kali㉿kali)-[~/Desktop]
$ cd Devisree_pendyala

(kali㉿kali)-[~/Desktop/Devisree_pendyala]
$ ls
ismlabinstructions.txt

(kali㉿kali)-[~/Desktop/Devisree_pendyala]
$ cd ..

(kali㉿kali)-[~/Desktop]
$ rm -ri Devisree_pendyala
rm: descend into directory 'Devisree_pendyala'? y
rm: remove regular file 'Devisree_pendyala/ismlabinstructions.txt'? y
rm: remove directory 'Devisree_pendyala'? y

(kali㉿kali)-[~/Desktop]
$ ls
ismlabinstructions.txt

(kali㉿kali)-[~/Desktop]
$ rm ismlabinstructions.txt

(kali㉿kali)-[~/Desktop]
$ ls
```

7) Calendar and Date Commands:

- Command: Cal
- Solution:

```
(kali@kali)-[~]  
$ cal  
September 2024  
Su Mo Tu We Th Fr Sa  
1 2 3 4 5 6 7  
8 9 10 11 12 13 14  
15 16 17 18 19 20 21  
22 23 24 25 26 27 28  
29 30
```

- Command: Date
- Solution:

```
(kali@kali)-[~]  
$ date  
Sat Sep 21 11:20:07 PM EDT 2024
```

```
(kali@kali)-[~]  
$ cal  
September 2024  
Su Mo Tu We Th Fr Sa  
1 2 3 4 5 6 7  
8 9 10 11 12 13 14  
15 16 17 18 19 20 21  
22 23 24 25 26 27 28  
29 30  
  
(kali@kali)-[~]  
$ date  
Sat Sep 21 11:20:07 PM EDT 2024  
  
(kali@kali)-[~]  
$
```



```
(kali㉿kali)-[~]
$ sudo apt-get update
Get:1 http://mirror.accuris.ca/kali kali-rolling InRelease [41.5 kB]
Get:2 http://mirror.accuris.ca/kali kali-rolling/main amd64 Packages [20.1 MB]
Get:3 http://mirror.accuris.ca/kali kali-rolling/main amd64 Contents (deb) [49.2 MB]
Get:4 http://mirror.accuris.ca/kali kali-rolling/contrib amd64 Packages [110 kB]
Get:5 http://mirror.accuris.ca/kali kali-rolling/contrib amd64 Contents (deb) [269 kB]
Get:6 http://mirror.accuris.ca/kali kali-rolling/non-free amd64 Packages [192 kB]
Get:7 http://mirror.accuris.ca/kali kali-rolling/non-free amd64 Contents (deb) [873 kB]
Get:8 http://mirror.accuris.ca/kali kali-rolling/non-free-firmware amd64 Packages [33.1 kB]
Get:9 http://mirror.accuris.ca/kali kali-rolling/non-free-firmware amd64 Contents (deb) [17.2 kB]
Fetched 70.8 MB in 13s (5,345 kB/s)
```

Reading package lists ... Done

```
(kali㉿kali)-[~]
$ sudo apt install ncal
Installing:
ncal
```

Summary:

Upgrading: 0, Installing: 1, Removing: 0, Not Upgrading: 913
Download size: 19.7 kB
Space needed: 59.4 kB / 64.4 GB available

```
Get:1 http://kali.download/kali kali-rolling/main amd64 ncal amd64 12.1.8 [19.7 kB]
Fetched 19.7 kB in 0s (72.9 kB/s)
Selecting previously unselected package ncal.
(Reading database ... 395765 files and directories currently installed.)
Preparing to unpack .../archives/ncal_12.1.8_amd64.deb ...
Unpacking ncal (12.1.8) ...
Setting up ncal (12.1.8) ...
Processing triggers for kali-menu (2024.3.1) ...
Processing triggers for man-db (2.12.1-2) ...
```