Information Security Management

Lab Assignment 1

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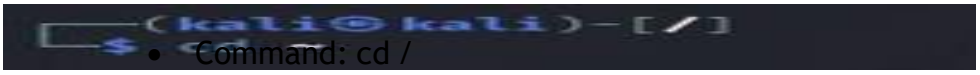
1) Explore File System Commands:
   - Command: ls
   - Solution:

   - Command: pwd
   - Solution:

   - Command: cd ..
   - Solution:

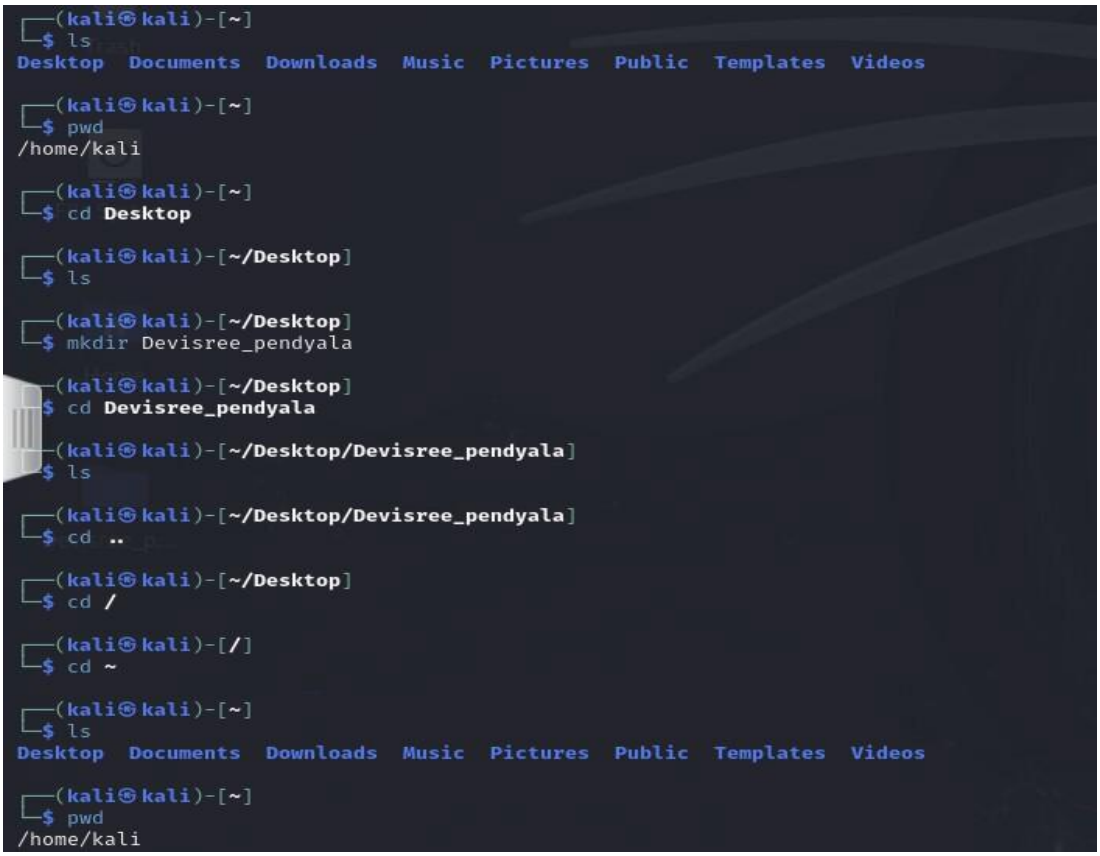
   - Command: cd ~
   - Solution:



   - Command: cd /
   - Solution:

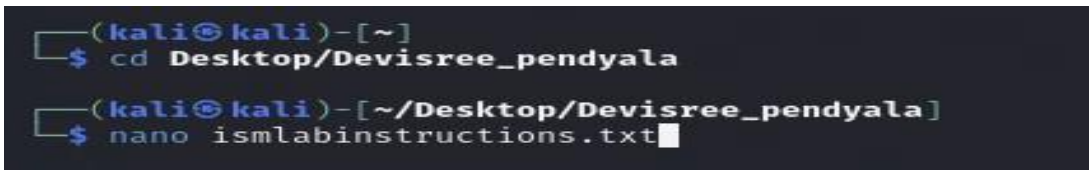
   - Command: mkdir
   - Solution:

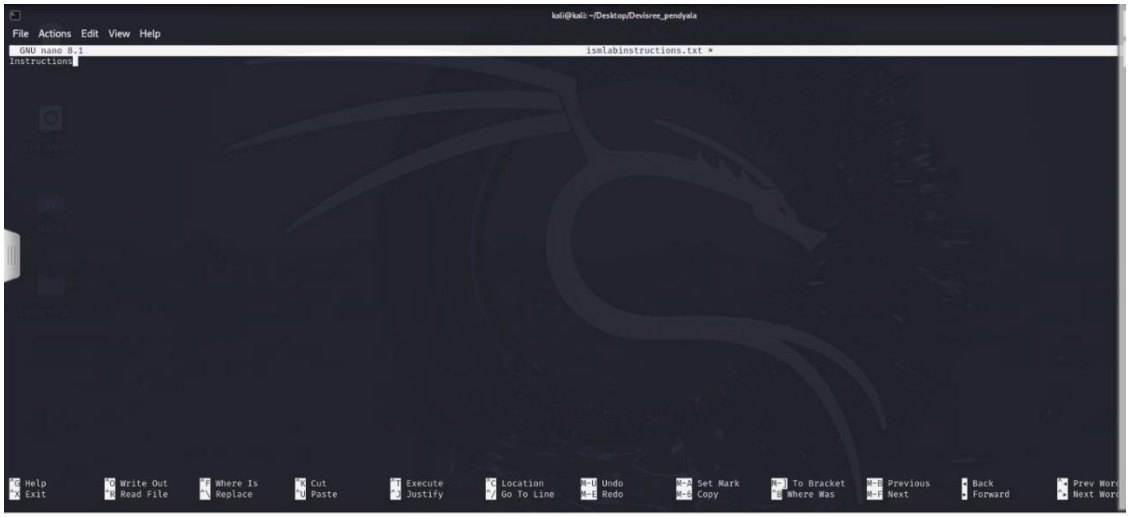
Basic Commands:



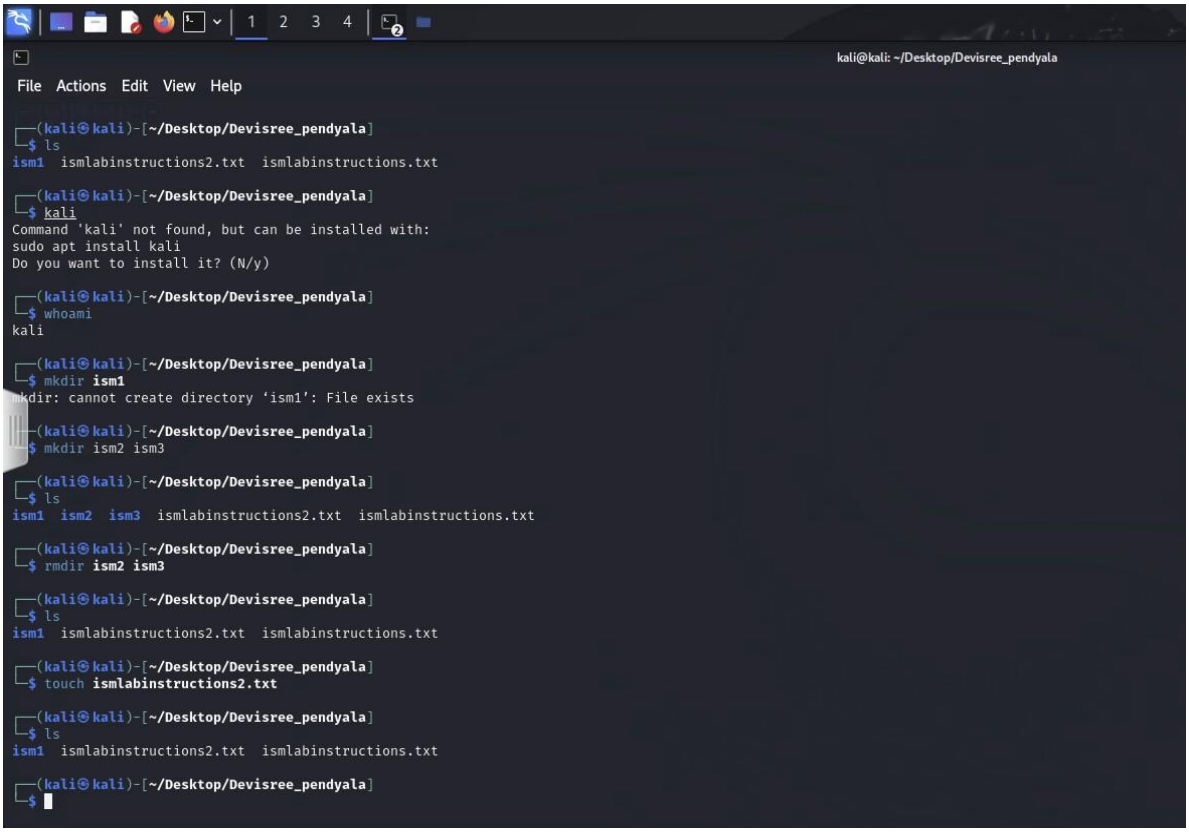
2) Edit A File Using NANO:

- Command: nano fileName
- Solution:





3) Create Directory:
    - Command: Touch
    - Solution:



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:

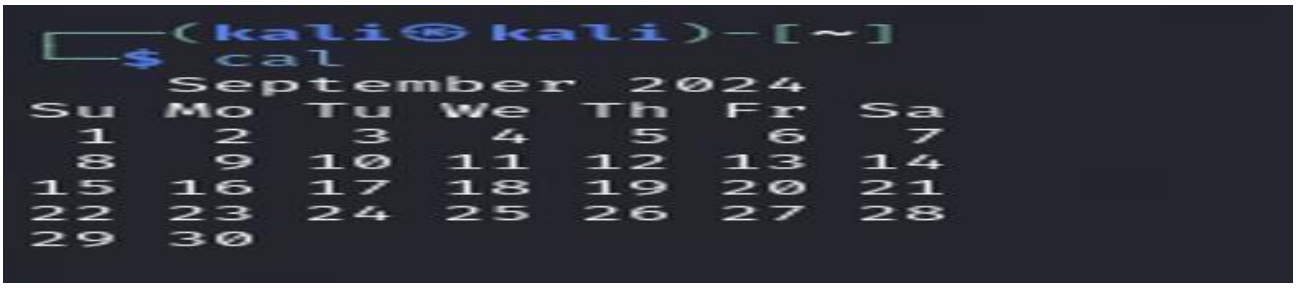
- Command: rm-ri
- Solution:

```
┌──(kali㉿kali)-[~/Desktop]
└─$ rm -ri Devisree_pendyala
rm: descend into directory 'Devisree_pendyala'? y
rm: remove directory 'Devisree_pendyala/ism1'? y
rm: remove regular file 'Devisree_pendyala/ismlabinstructions.txt'? n
rm: remove directory 'Devisree_pendyala'? y
rm: cannot remove 'Devisree_pendyala': Directory not empty
```

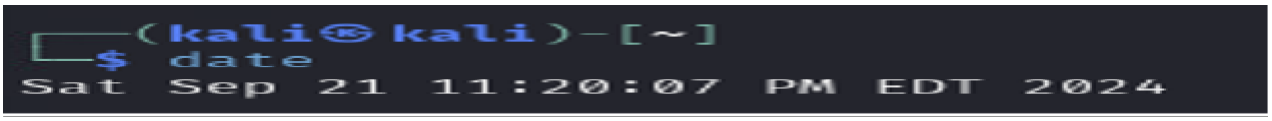
Commands Flow:

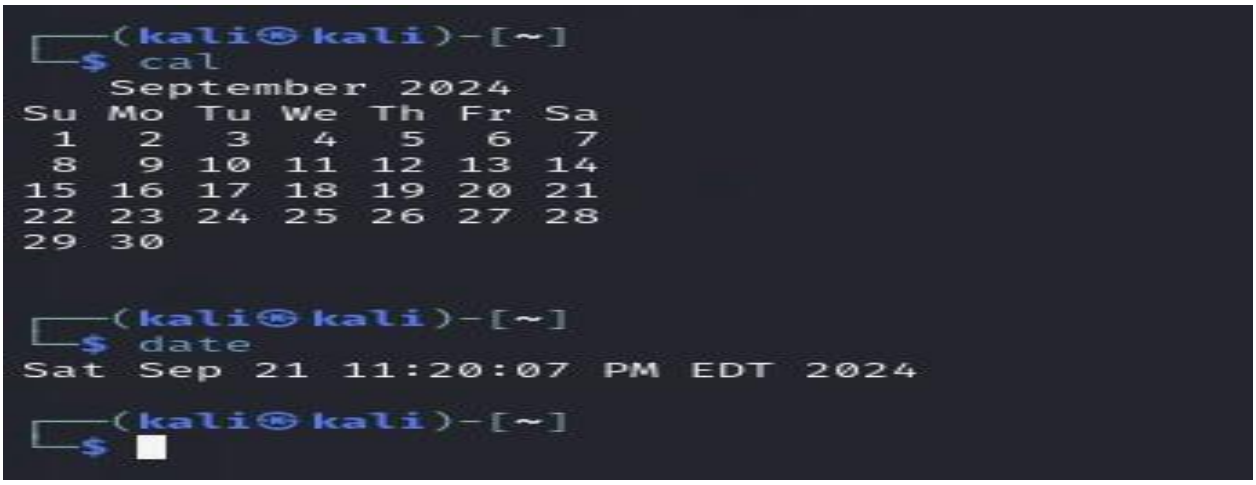
```
┌──(kali㉿kali)-[~/Desktop/Devisree_pendyala]
└─$ ls
ism1  ismlabinstructions.txt

┌──(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/ism1'? 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:



- Command: Date
- Solution:





```
┌──(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) ...
```