20BCI0230	
Assessment	1

CYBER SECURITY AND ETHICAL HACKING

WEEK-2 ASSIGNMENT

LINUX COMMAND LIST

SUBMITED BY,

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REG_NO: 20BCI0230

DATE: 28-05-2023

20BCI0230

Assessment1

The following assessment aims to test your understanding and practical knowledge of various Linux commands. Perform the tasks given below using the appropriate commands. Write down the command(s) used to complete each task. You can use any Linux distribution or commandline interface of your choice. Ensure that you provide the correct output or results for each task. Note: It is recommended to perform this assessment on a Linux machine or virtual environment.

```
____(nithiya@ DESKTOP-5C9BH5N)-[~]

$\frac{1}{5}$ cd Desktop

_____(nithiya@ DESKTOP-5C9BH5N)-[~/Desktop]

$\frac{1}{5}$
```

```
(nithiya@ DESKTOP-5C9BH5N)-[~]

$ touch nithiyasri.txt

(nithiya@ DESKTOP-5C9BH5N)-[~]

$ 1s

Desktop my_directory nithiyasri.txt

(nithiya@ DESKTOP-5C9BH5N)-[~]

$ 1s
```

Cp: copy files and directories.

```
(nithiya@ DESKTOP-5C9BHSN)-[*]

$ cd Downloads

[(nithiya@ DESKTOP-5C9BHSN)-[*/Downloads]

$ 1s

200CC69971_VL0201220503159_AST01.pdf

nithi.jpg.png
nithiya.pdf

nithiya.pdf

nithiya.pdf

nithiya.pdf

nithiya.pdf

nithiya.pdf

nithiya.pdf

200CC69971_VL0201220503159_AST01.pdf

200CC69971_VL0201220
```

Mv: move or rename files and directories.

```
(nithiya@ DESKTOP-5C9BH5N)-[~]
$ mkdir pictures

(nithiya@ DESKTOP-5C9BH5N)-[~]
$ cd pictures

(nithiya@ DESKTOP-5C9BH5N)-[~/pictures]
$ ls
picl.png 'Screenshot (65).png' 'Screenshot (66).png' 'Screenshot (67).png' 'Screenshot (69).png'

(nithiya@ DESKTOP-5C9BH5N)-[~/pictures]
$ mv picl.png picture

(nithiya@ DESKTOP-5C9BH5N)-[~/pictures]
$ ls
picture 'Screenshot (65).png' 'Screenshot (66).png' 'Screenshot (67).png' 'Screenshot (69).png'

(nithiya@ DESKTOP-5C9BH5N)-[~/pictures]

$ (nithiya@ DESKTOP-5C9BH5N)-[~/pictures]
```

rm: Remove files and directories

```
(nithiya@ DESKTOP-5C9BH5N)-[~]
-$ cd pictures

-(nithiya@ DESKTOP-5C9BH5N)-[~/pictures]
-$ 1s
picture 'Screenshot (65).png' 'Screenshot (66).png' 'Screenshot (67).png' 'Screenshot (69).png'

-(nithiya@ DESKTOP-5C9BH5N)-[~/pictures]
-$ rm picture

-(nithiya@ DESKTOP-5C9BH5N)-[~/pictures]
-$ 1s
'Screenshot (65).png' 'Screenshot (66).png' 'Screenshot (67).png' 'Screenshot (69).png'

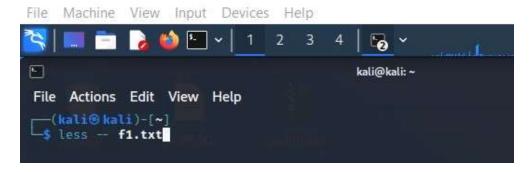
-(nithiya@ DESKTOP-5C9BH5N)-[~/pictures]
-$ (nithiya@ DESKTOP-5C9BH5N)-[~/pictures]
-$
```

find: Search for files and directories

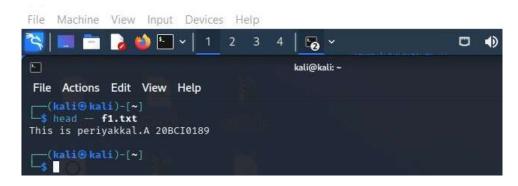


File Viewing and Editing:

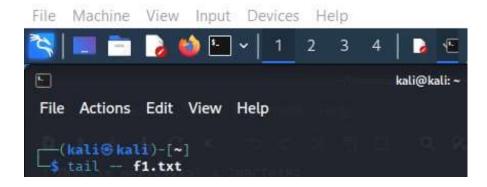
less: View file content with pagination



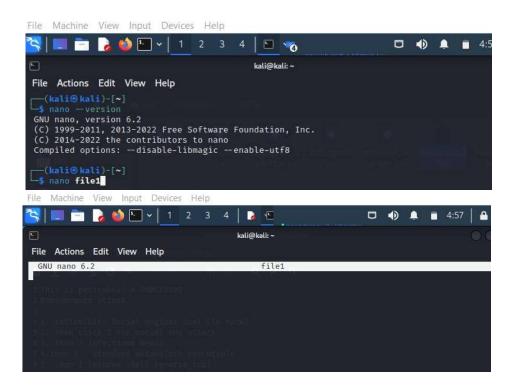
head: Display the beginning of a file



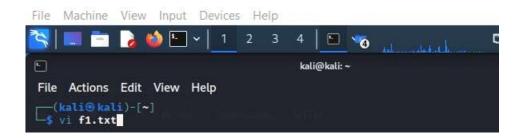
tail: Display the end of a file



nano: Text editor for creating and editing files



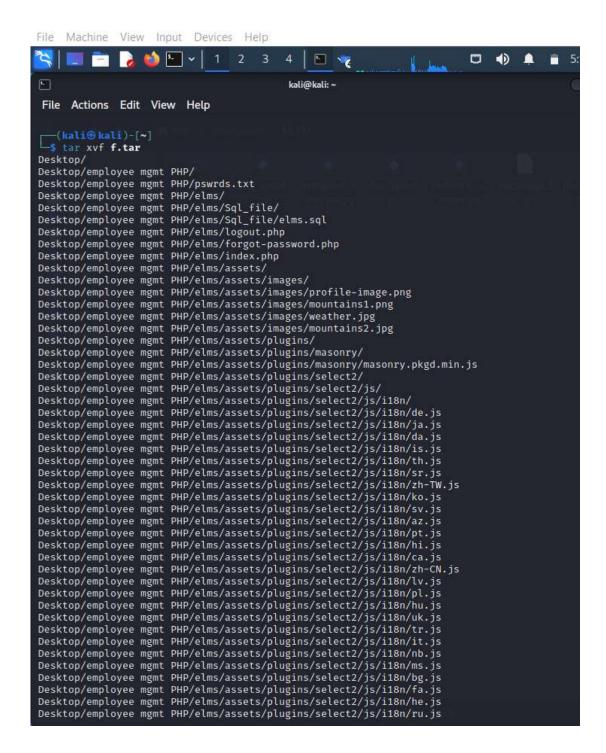
vi/vim: Powerful text editor for experienced users

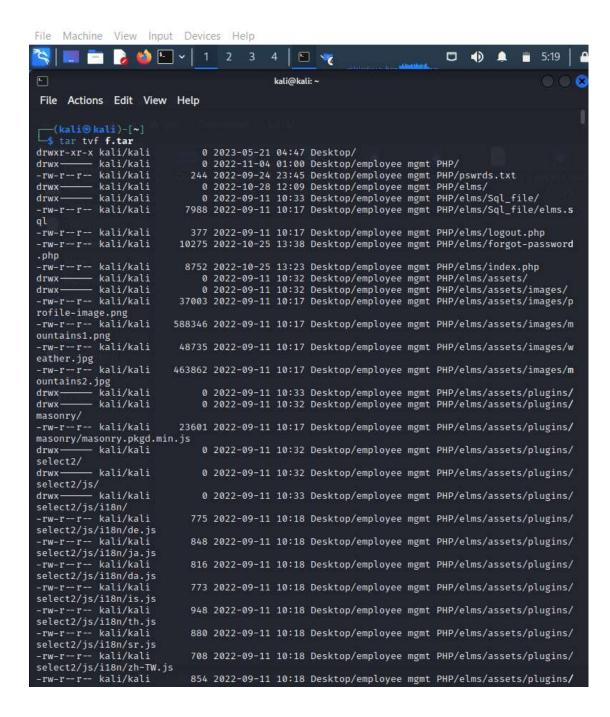


File Compression and Archiving:

tar: Archive files

```
File Machine View Input Devices Help
                                                      ·
                     66
                                                                                         1
                                                                                                       5:16
                                                 kali@kali: ~
File Actions Edit View Help
  -(kali®kali)-[~]
$ tar cvf f.tar *
Desktop/
Desktop/employee mgmt PHP/
Desktop/employee mgmt PHP/pswrds.txt
Desktop/employee mgmt PHP/elms/
Desktop/employee mgmt PHP/elms/Sql_file/
Desktop/employee mgmt PHP/elms/Sql_file/elms.sql
Desktop/employee mgmt PHP/elms/logout.php
Desktop/employee mgmt PHP/elms/forgot-password.php
Desktop/employee mgmt PHP/elms/index.php
Desktop/employee mgmt PHP/elms/assets/
Desktop/employee mgmt PHP/elms/assets/images/
Desktop/employee mgmt PHP/elms/assets/images/profile-image.png
Desktop/employee mgmt PHP/elms/assets/images/mountains1.png
Desktop/employee mgmt PHP/elms/assets/images/weather.jpg
Desktop/employee mgmt PHP/elms/assets/images/mountains2.jpg
Desktop/employee mgmt PHP/elms/assets/plugins/
Desktop/employee mgmt PHP/elms/assets/plugins/masonry/
Desktop/employee mgmt PHP/elms/assets/plugins/masonry/masonry.pkgd.min.js
Desktop/employee mgmt PHP/elms/assets/plugins/select2/
Desktop/employee mgmt PHP/elms/assets/plugins/select2/js/
Desktop/employee mgmt PHP/elms/assets/plugins/select2/js/i18n/
Desktop/employee mgmt PHP/elms/assets/plugins/select2/js/i18n/de.js
Desktop/employee mgmt PHP/elms/assets/plugins/select2/js/i18n/ja.js
Desktop/employee mgmt PHP/elms/assets/plugins/select2/js/i18n/da.js
Desktop/employee mgmt PHP/elms/assets/plugins/select2/js/i18n/is.js
Desktop/employee mgmt PHP/elms/assets/plugins/select2/js/i18n/th.js
Desktop/employee mgmt PHP/elms/assets/plugins/select2/js/i18n/sr.js
Desktop/employee mgmt PHP/elms/assets/plugins/select2/js/i18n/zh-TW.js
Desktop/employee mgmt PHP/elms/assets/plugins/select2/js/i18n/ko.js
Desktop/employee mgmt PHP/elms/assets/plugins/select2/js/i18n/sv.js
Desktop/employee mgmt PHP/elms/assets/plugins/select2/js/i18n/az.js
Desktop/employee mgmt PHP/elms/assets/plugins/select2/js/i18n/pt.js
Desktop/employee mgmt PHP/elms/assets/plugins/select2/js/i18n/hi.js
Desktop/employee mgmt PHP/elms/assets/plugins/select2/js/i18n/ca.js
Desktop/employee mgmt PHP/elms/assets/plugins/select2/js/i18n/zh-CN.js
Desktop/employee mgmt PHP/elms/assets/plugins/select2/js/i18n/lv.js
Desktop/employee mgmt PHP/elms/assets/plugins/select2/js/i18n/pl.js
Desktop/employee mgmt PHP/elms/assets/plugins/select2/js/i18n/hu.js
Desktop/employee mgmt PHP/elms/assets/plugins/select2/js/i18n/uk.js
Desktop/employee mgmt PHP/elms/assets/plugins/select2/js/i18n/tr.js
Desktop/employee mgmt PHP/elms/assets/plugins/select2/js/i18n/it.js
Desktop/employee mgmt PHP/elms/assets/plugins/select2/js/i18n/nb.js
Desktop/employee mgmt PHP/elms/assets/plugins/select2/js/i18n/ms.js
Desktop/employee mgmt PHP/elms/assets/plugins/select2/js/i18n/bg.js
Desktop/employee mgmt PHP/elms/assets/plugins/select2/js/i18n/fa.js
Desktop/employee mgmt PHP/elms/assets/plugins/select2/js/i18n/he.js
Desktop/employee mgmt PHP/elms/assets/plugins/select2/js/i18n/ru.js
```



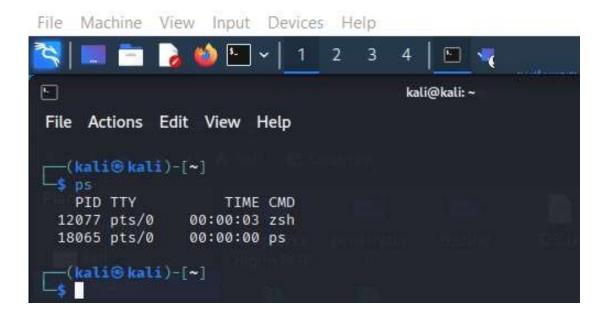


gzip: Compress files

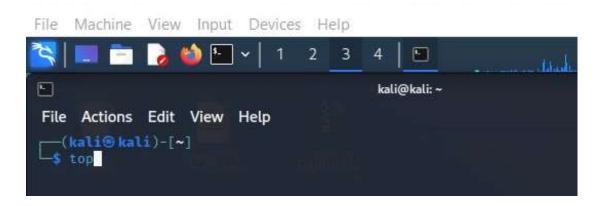
unzip: Extract files from a ZIP archive

Process Management:

ps: List running processes

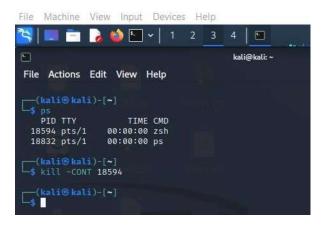


top: Display real-time system information and processes





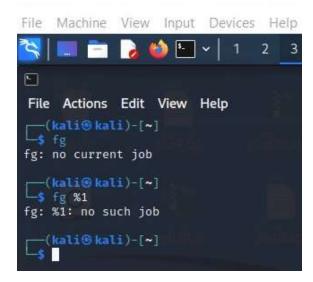
kill: Terminate processes



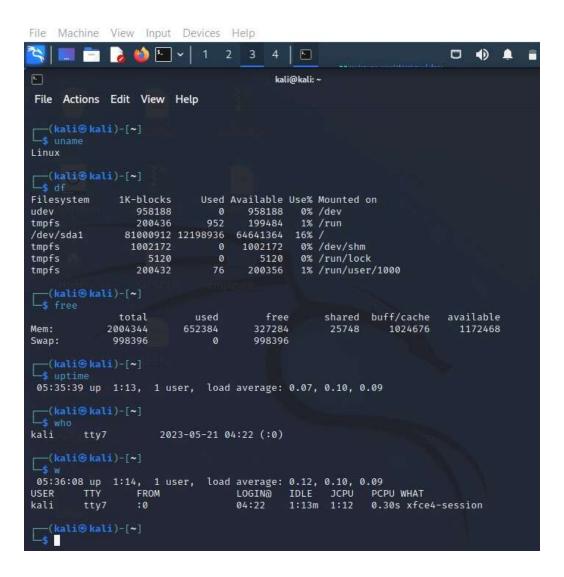
bg: Run processes in the background



fg: Bring background processes to the foreground

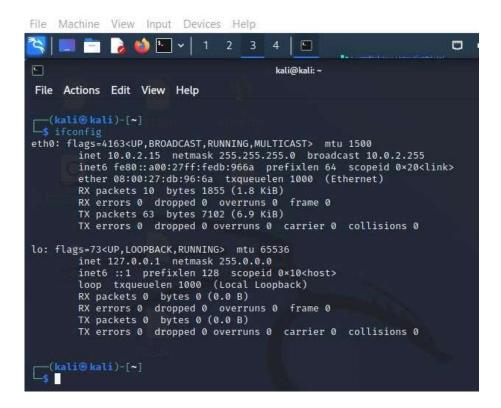


System Information:

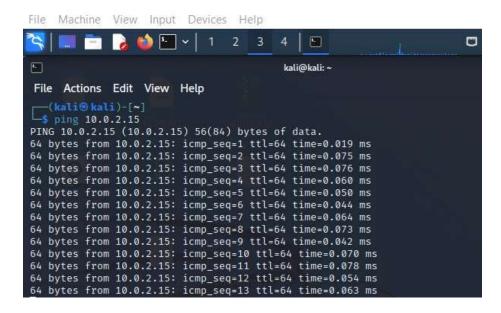


Networking:

ifconfig: Configure network interfaces



ping: Send ICMP echo requests to a network host



ssh: Securely connect to a remote system

```
File Machine View Input Devices Help
                                                                             1
 kali@kali: ~
 File Actions Edit View Help
 __(kali⊗kali)-[~]
_$ ssh
usage: ssh [-46AaCfGgKkMNnqsTtVvXxYy] [-B bind_interface]
                  [-b bind_address] [-c cipher_spec] [-D [bind_address:]port]
[-E log_file] [-e escape_char] [-F configfile] [-I pkcs11]
[-i identity_file] [-J [user@]host[:port]] [-L address]
[-l login_name] [-m mac_spec] [-O ctl_cmd] [-o option] [-p port]
[-Q query_option] [-R address]
                   [-w local_tun[:remote_tun]] destination [command [argument ...]]
 (kali@kali)-[~]
ssh —version
unknown option --
usage: ssh [-46AaCfGgKkMNnqsTtVvXxYy] [-B bind_interface]
                   [-b bind_address] [-c cipher_spec] [-D [bind_address:]port]
                  [-E log_file] [-e escape_char] [-F configfile] [-I pkcs11]
[-i identity_file] [-J [user@]host[:port]] [-L address]
[-l login_name] [-m mac_spec] [-O ctl_cmd] [-o option] [-p port]
                   [-Q query_option] [-R address] [-S ctl_path] [-W host:port] [-w local_tun[:remote_tun]] destination [command [argument ...]]
  —(kali⊛kali)-[~]
—$
```

scp: Securely copy files between systems

wget: Download files from the web

```
File Machine View Input Devices Help
                                                      5:43
                                                 kali@kali: ~
 File Actions Edit View Help
[ (kali⊗kali)-[~]

    wget https://www.facebook.com/
--2023-05-21 05:42:51-- https://www.facebook.com/
Resolving www.facebook.com (www.facebook.com)... 157.240.228.35, 2a03:2880:f168:81:face:b00c:0
Connecting to www.facebook.com (www.facebook.com)|157.240.228.35|:443... connected.
HTTP request sent, awaiting response... 302 Found
Location: https://www.facebook.com/unsupportedbrowser [following]
--2023-05-21 05:43:00-- https://www.facebook.com/unsupportedbrowser
Reusing existing connection to www.facebook.com:443.
HTTP request sent, awaiting response ... 200 OK
Length: unspecified [text/html]
Saving to: 'index.html'
                              [ ⇔
index.html
                                                                     ] 48.18K 62.3KB/s
                                                                                                in 0.8s
2023-05-21 05:43:02 (62.3 KB/s) - 'index.html' saved [49332]
 —(kali⊛kali)-[~]
—$
```

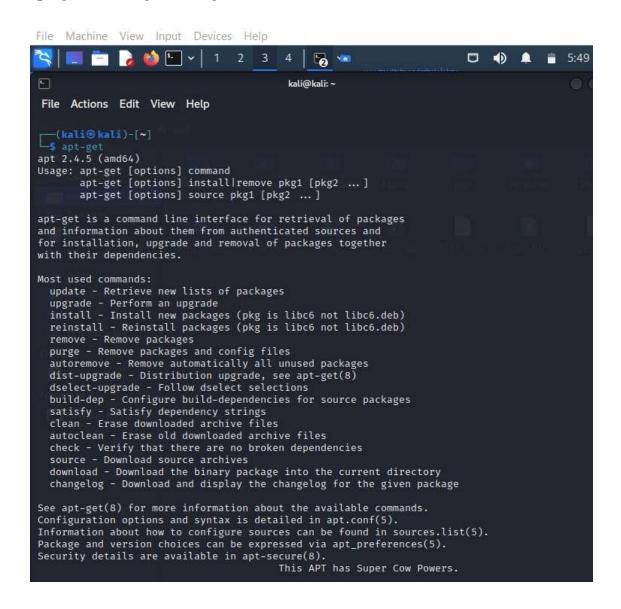
System Administration:

sudo: Execute commands with superuser privileges

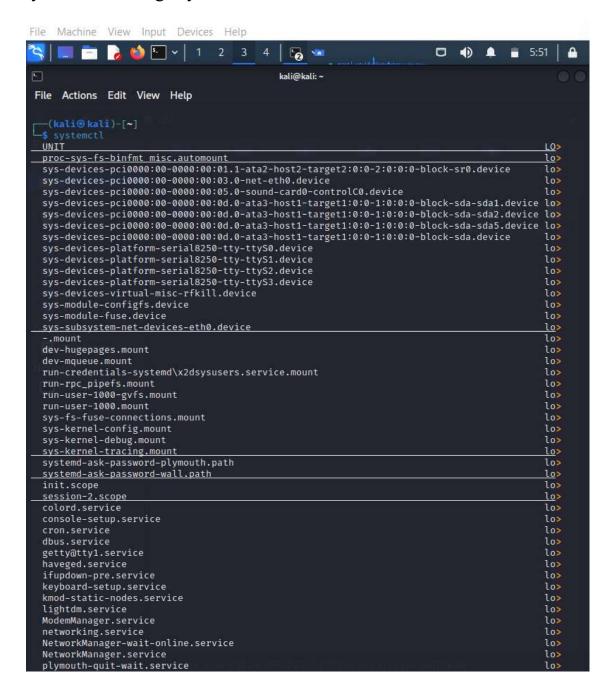
yum: Package management for Red Hat-based distributions



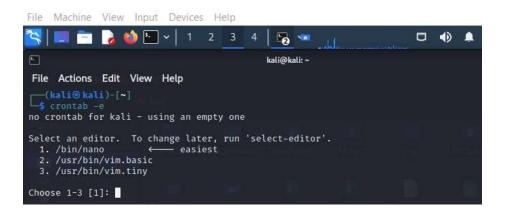
apt-get: Package management for Debian-based distributions

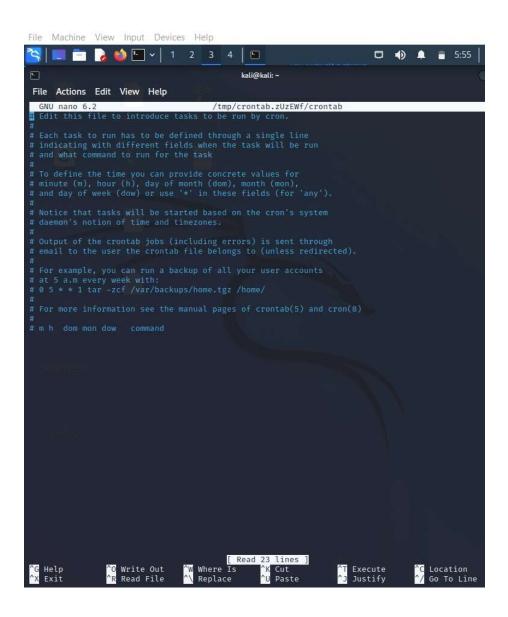


systemctl: Manage system services

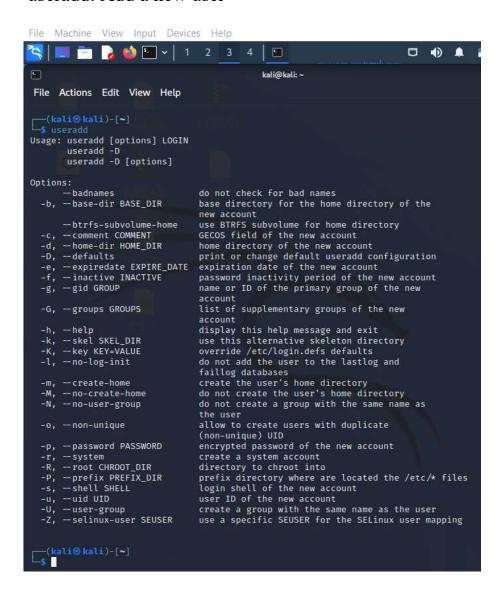


crontab: Schedule recurring tasks





useradd: Add a new user



passwd: Change user password

