

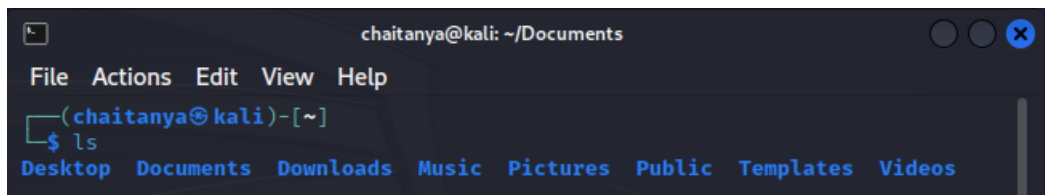
Title: Linux Command List Assessment

Chaitanya Nagre – 20BCN7032

VIT – AP

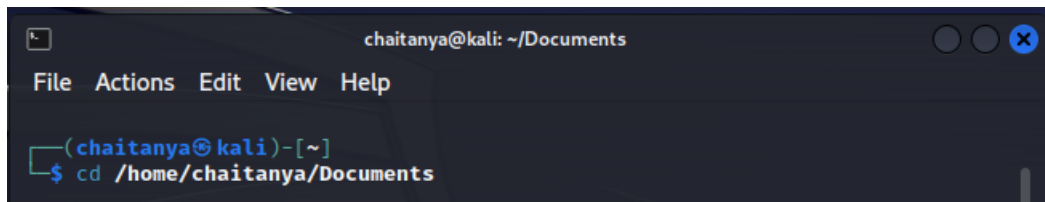
File and Directory Operations:

ls: List files and directories



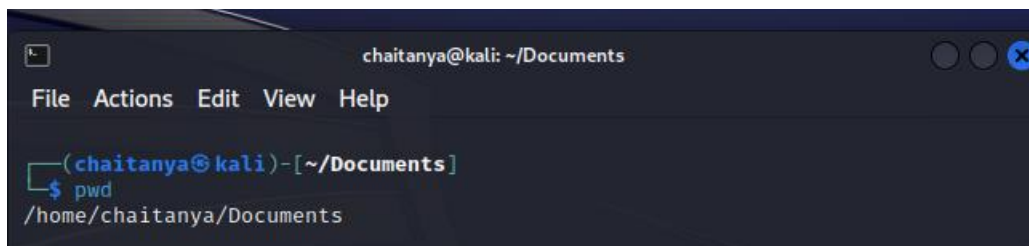
```
chaitanya@kali: ~/Documents
File Actions Edit View Help
(chaitanya@kali)-[~]
$ ls
Desktop Documents Downloads Music Pictures Public Templates Videos
```

cd: Change directory



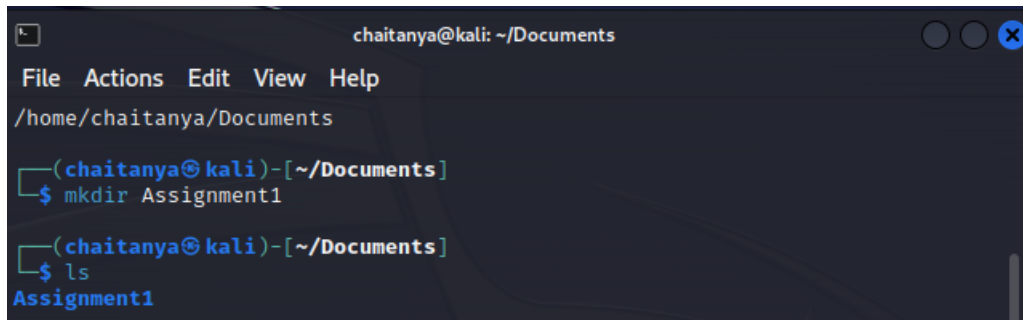
```
chaitanya@kali: ~/Documents
File Actions Edit View Help
(chaitanya@kali)-[~]
$ cd /home/chaitanya/Documents
```

pwd: Print working directory



```
chaitanya@kali: ~/Documents
File Actions Edit View Help
(chaitanya@kali)-[~/Documents]
$ pwd
/home/chaitanya/Documents
```

mkdir: Make directory


A terminal window titled 'chaitanya@kali: ~/Documents' with a menu bar (File, Actions, Edit, View, Help). The prompt is '(chaitanya@kali)-[~/Documents]'. The user enters '\$ mkdir Assignment1'. The prompt changes to '(chaitanya@kali)-[~/Documents]'. The user enters '\$ ls'. The output is 'Assignment1'.

```
chaitanya@kali: ~/Documents
File Actions Edit View Help
/home/chaitanya/Documents

(chaitanya@kali)-[~/Documents]
$ mkdir Assignment1

(chaitanya@kali)-[~/Documents]
$ ls
Assignment1
```

touch: Create an empty file

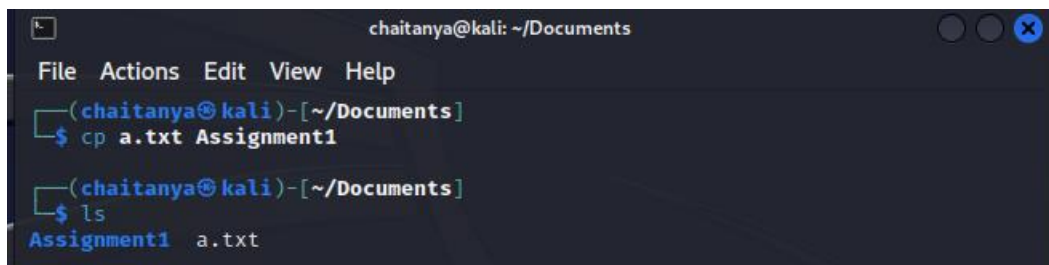
A terminal window titled 'chaitanya@kali: ~/Documents' with a menu bar (File, Actions, Edit, View, Help). The prompt is '(chaitanya@kali)-[~/Documents]'. The user enters '\$ touch a.txt'. The prompt changes to '(chaitanya@kali)-[~/Documents]'. The user enters '\$ ls'. The output is 'Assignment1 a.txt'.

```
chaitanya@kali: ~/Documents
File Actions Edit View Help

(chaitanya@kali)-[~/Documents]
$ touch a.txt

(chaitanya@kali)-[~/Documents]
$ ls
Assignment1 a.txt
```

cp: Copy files and directories

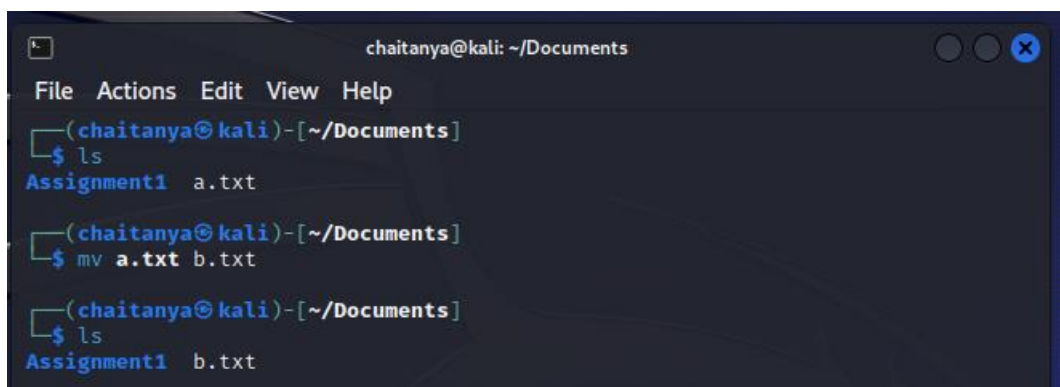
A terminal window titled 'chaitanya@kali: ~/Documents' with a menu bar (File, Actions, Edit, View, Help). The prompt is '(chaitanya@kali)-[~/Documents]'. The user enters '\$ cp a.txt Assignment1'. The prompt changes to '(chaitanya@kali)-[~/Documents]'. The user enters '\$ ls'. The output is 'Assignment1 a.txt'.

```
chaitanya@kali: ~/Documents
File Actions Edit View Help

(chaitanya@kali)-[~/Documents]
$ cp a.txt Assignment1

(chaitanya@kali)-[~/Documents]
$ ls
Assignment1 a.txt
```

mv: Move or rename files and directories

A terminal window titled 'chaitanya@kali: ~/Documents' with a menu bar (File, Actions, Edit, View, Help). The prompt is '(chaitanya@kali)-[~/Documents]'. The user enters '\$ ls'. The output is 'Assignment1 a.txt'. The prompt changes to '(chaitanya@kali)-[~/Documents]'. The user enters '\$ mv a.txt b.txt'. The prompt changes to '(chaitanya@kali)-[~/Documents]'. The user enters '\$ ls'. The output is 'Assignment1 b.txt'.

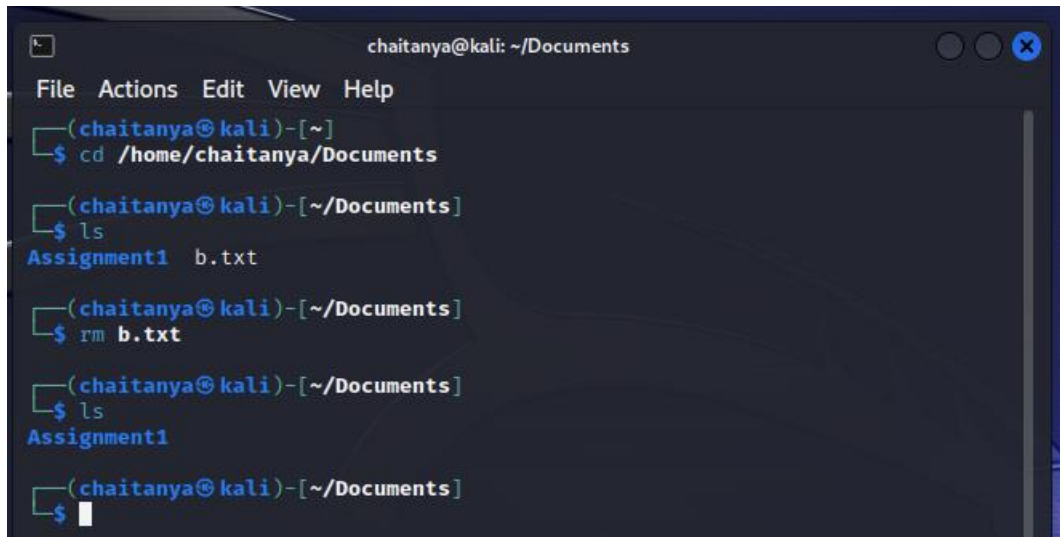
```
chaitanya@kali: ~/Documents
File Actions Edit View Help

(chaitanya@kali)-[~/Documents]
$ ls
Assignment1 a.txt

(chaitanya@kali)-[~/Documents]
$ mv a.txt b.txt

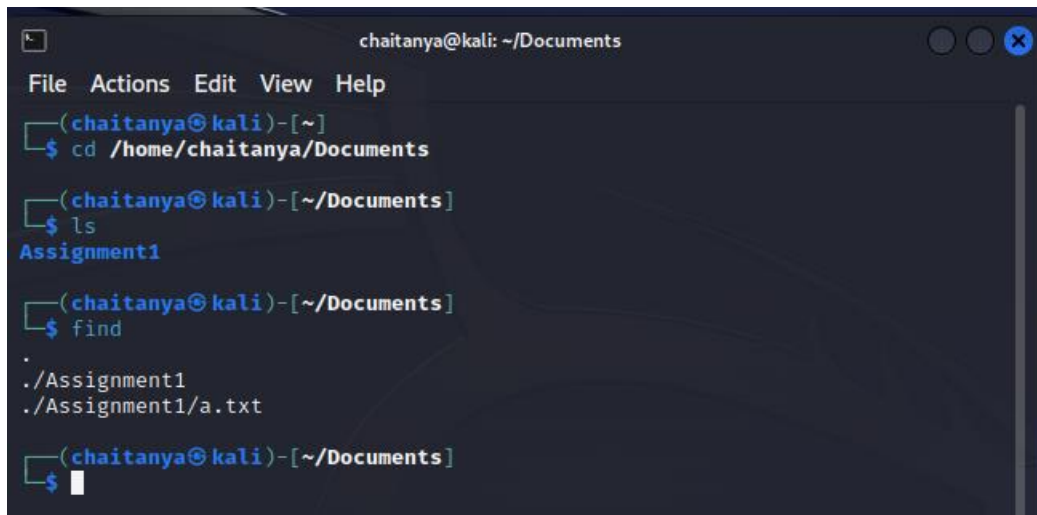
(chaitanya@kali)-[~/Documents]
$ ls
Assignment1 b.txt
```

rm: Remove files and directories

A terminal window titled 'chaitanya@kali: ~/Documents' with a menu bar (File, Actions, Edit, View, Help). The user navigates to the Documents directory and lists files, showing 'Assignment1' and 'b.txt'. They then use the 'rm' command to delete 'b.txt' and list the directory again, showing only 'Assignment1'.

```
chaitanya@kali: ~/Documents
File Actions Edit View Help
(chaitanya@kali)-[~]
$ cd /home/chaitanya/Documents
(chaitanya@kali)-[~/Documents]
$ ls
Assignment1 b.txt
(chaitanya@kali)-[~/Documents]
$ rm b.txt
(chaitanya@kali)-[~/Documents]
$ ls
Assignment1
(chaitanya@kali)-[~/Documents]
$
```

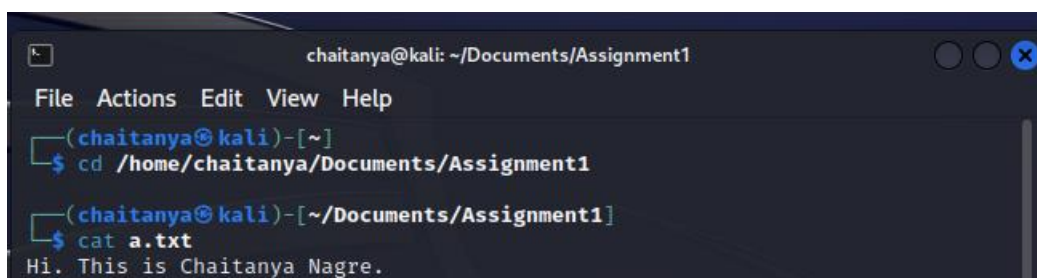
find: Search for files and directories

A terminal window titled 'chaitanya@kali: ~/Documents' with a menu bar (File, Actions, Edit, View, Help). The user navigates to the Documents directory and lists files, showing 'Assignment1'. They then use the 'find' command, which outputs the current directory and a subdirectory 'Assignment1/a.txt'.

```
chaitanya@kali: ~/Documents
File Actions Edit View Help
(chaitanya@kali)-[~]
$ cd /home/chaitanya/Documents
(chaitanya@kali)-[~/Documents]
$ ls
Assignment1
(chaitanya@kali)-[~/Documents]
$ find
.
./Assignment1
./Assignment1/a.txt
(chaitanya@kali)-[~/Documents]
$
```

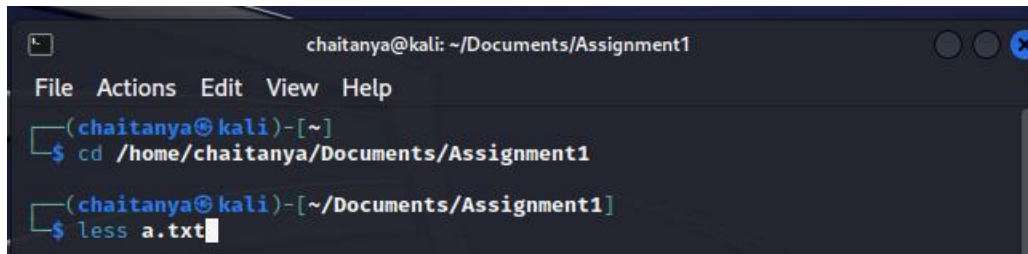
File Viewing and Editing:

cat: Concatenate and display file content

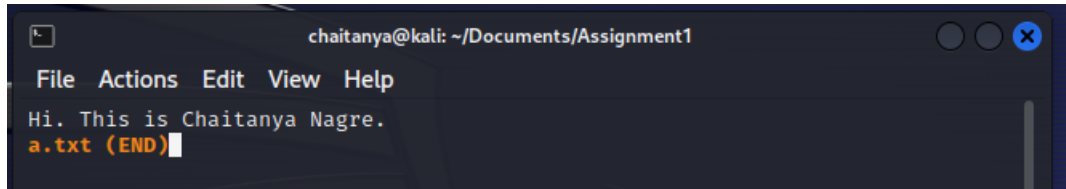
A terminal window titled 'chaitanya@kali: ~/Documents/Assignment1' with a menu bar (File, Actions, Edit, View, Help). The user navigates to the Assignment1 directory and uses the 'cat' command to display the content of 'a.txt', which is 'Hi. This is Chaitanya Nagre.'.

```
chaitanya@kali: ~/Documents/Assignment1
File Actions Edit View Help
(chaitanya@kali)-[~]
$ cd /home/chaitanya/Documents/Assignment1
(chaitanya@kali)-[~/Documents/Assignment1]
$ cat a.txt
Hi. This is Chaitanya Nagre.
```

less: View file content with pagination

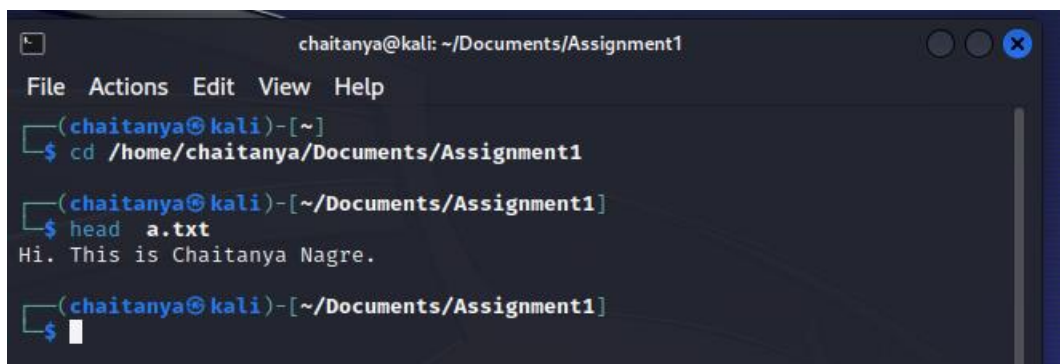


```
chaitanya@kali: ~/Documents/Assignment1
File Actions Edit View Help
(chaitanya@kali)-[~]
$ cd /home/chaitanya/Documents/Assignment1
(chaitanya@kali)-[~/Documents/Assignment1]
$ less a.txt
```



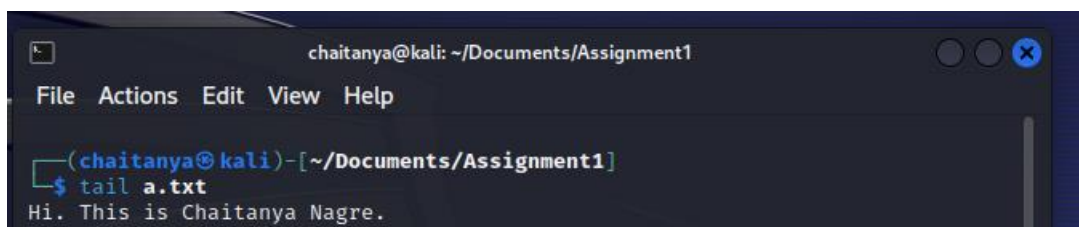
```
chaitanya@kali: ~/Documents/Assignment1
File Actions Edit View Help
Hi. This is Chaitanya Nagre.
a.txt (END)
```

head: Display the beginning of a file



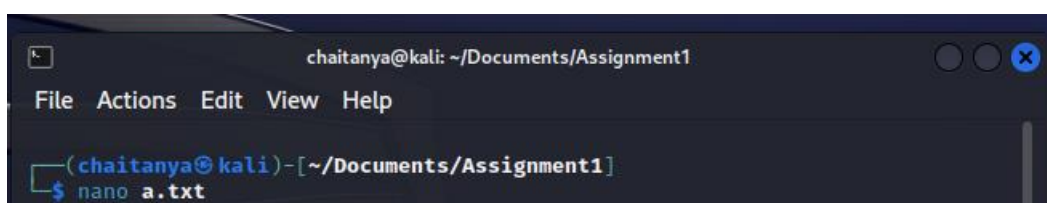
```
chaitanya@kali: ~/Documents/Assignment1
File Actions Edit View Help
(chaitanya@kali)-[~]
$ cd /home/chaitanya/Documents/Assignment1
(chaitanya@kali)-[~/Documents/Assignment1]
$ head a.txt
Hi. This is Chaitanya Nagre.
(chaitanya@kali)-[~/Documents/Assignment1]
$
```

tail: Display the end of a file



```
chaitanya@kali: ~/Documents/Assignment1
File Actions Edit View Help
(chaitanya@kali)-[~/Documents/Assignment1]
$ tail a.txt
Hi. This is Chaitanya Nagre.
```

nano: Text editor for creating and editing files



```
chaitanya@kali: ~/Documents/Assignment1
File Actions Edit View Help
(chaitanya@kali)-[~/Documents/Assignment1]
$ nano a.txt
```

```
chaitanya@kali: ~/Documents/Assignment1
File Actions Edit View Help
GNU nano 7.2 a.txt
Hi. This is Chaitanya Nagre.

[ Read 1 line ]
^G Help    ^O Write Out  ^W Where Is  ^K Cut       ^T Execute
^X Exit    ^R Read File  ^\ Replace   ^U Paste     ^J Justify
```

vi/vim: Powerful text editor for experienced users

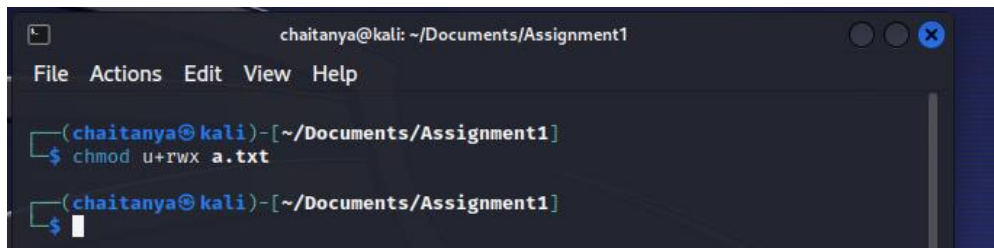
```
File Actions Edit View Help
VIM - Vi IMproved
version 9.0.1165
by Bram Moolenaar et al.
Modified by team+vim@tracker.debian.org
Vim is open source and freely distributable

Sponsor Vim development!
type :help sponsor<Enter> for information
type :q<Enter> to exit
type :help<Enter> or <F1> for on-line help
type :help version9<Enter> for version info

0.0-1 All
```

File Permissions:

chmod: Change file permissions

A terminal window titled 'chaitanya@kali: ~/Documents/Assignment1' with a menu bar (File, Actions, Edit, View, Help). The prompt is '(chaitanya@kali)-[~/Documents/Assignment1]'. The command '\$ chmod u+rwx a.txt' has been entered and executed. The prompt is now '\$ ' with a cursor.

```
chaitanya@kali: ~/Documents/Assignment1
File Actions Edit View Help

(chaitanya@kali)-[~/Documents/Assignment1]
$ chmod u+rwx a.txt

(chaitanya@kali)-[~/Documents/Assignment1]
$
```

chown: Change file owner

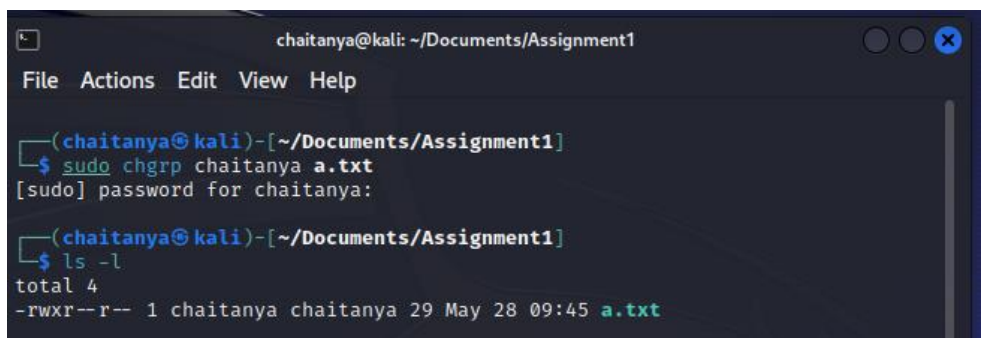
A terminal window titled 'chaitanya@kali: ~/Documents/Assignment1' with a menu bar (File, Actions, Edit, View, Help). The prompt is '(chaitanya@kali)-[~/Documents/Assignment1]'. The command '\$ chown chaitanya a.txt' has been entered and executed. The prompt is now '\$ '. The second command '\$ ls -l a.txt' has been entered and executed, showing the file permissions '-rwxr--r--' and owner 'chaitanya'.

```
chaitanya@kali: ~/Documents/Assignment1
File Actions Edit View Help

(chaitanya@kali)-[~/Documents/Assignment1]
$ chown chaitanya a.txt

(chaitanya@kali)-[~/Documents/Assignment1]
$ ls -l a.txt
-rwxr--r-- 1 chaitanya chaitanya 29 May 28 09:45 a.txt
```

chgrp: Change file group

A terminal window titled 'chaitanya@kali: ~/Documents/Assignment1' with a menu bar (File, Actions, Edit, View, Help). The prompt is '(chaitanya@kali)-[~/Documents/Assignment1]'. The command '\$ sudo chgrp chaitanya a.txt' has been entered and executed, prompting for a password. The prompt is now '(chaitanya@kali)-[~/Documents/Assignment1]'. The command '\$ ls -l' has been entered and executed, showing the file permissions '-rwxr--r--' and group 'chaitanya'.

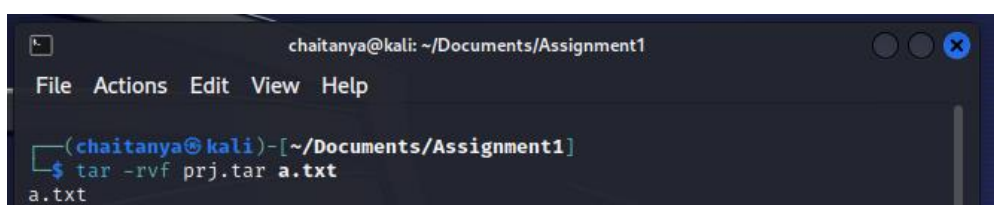
```
chaitanya@kali: ~/Documents/Assignment1
File Actions Edit View Help

(chaitanya@kali)-[~/Documents/Assignment1]
$ sudo chgrp chaitanya a.txt
[sudo] password for chaitanya:

(chaitanya@kali)-[~/Documents/Assignment1]
$ ls -l
total 4
-rwxr--r-- 1 chaitanya chaitanya 29 May 28 09:45 a.txt
```

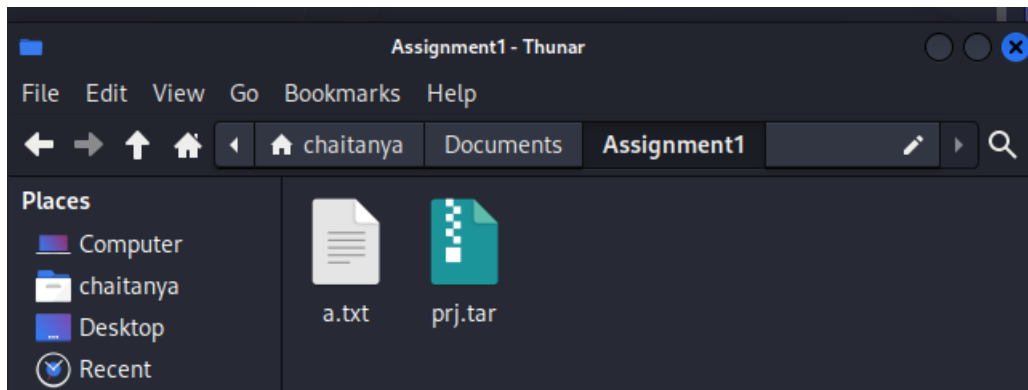
File Compression and Archiving:

tar: Archive files

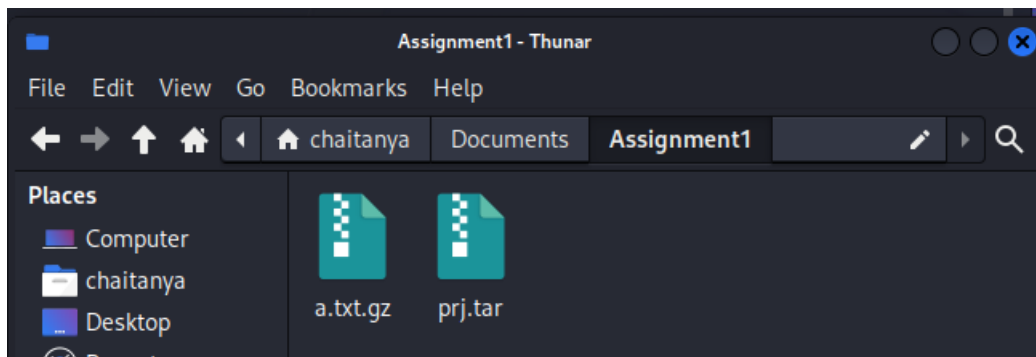
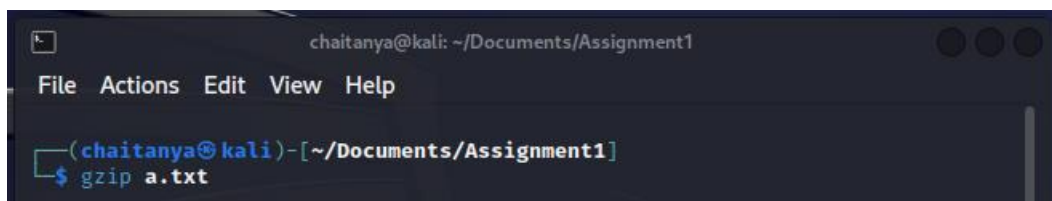
A terminal window titled 'chaitanya@kali: ~/Documents/Assignment1' with a menu bar (File, Actions, Edit, View, Help). The prompt is '(chaitanya@kali)-[~/Documents/Assignment1]'. The command '\$ tar -rvf prj.tar a.txt' has been entered and executed. The prompt is now '\$ ' with a cursor.

```
chaitanya@kali: ~/Documents/Assignment1
File Actions Edit View Help

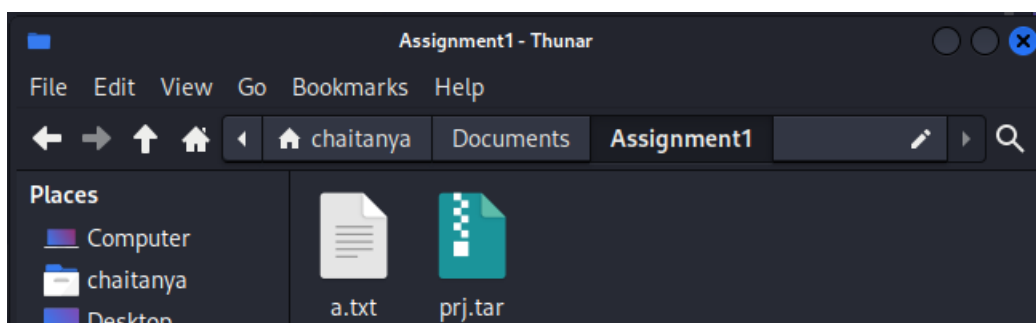
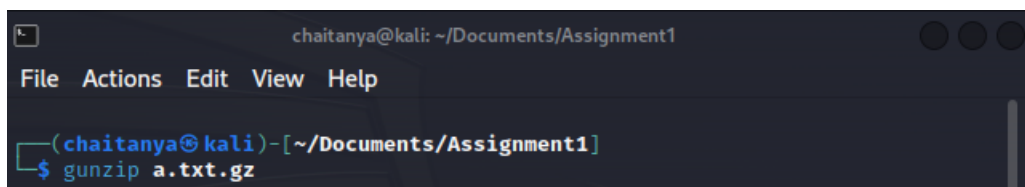
(chaitanya@kali)-[~/Documents/Assignment1]
$ tar -rvf prj.tar a.txt
a.txt
```

gzip: Compress files



unzip: Extract files from a ZIP archive



Process Management:

ps: List running processes

```
chaitanya@kali: ~/Documents/Assignment1
File Actions Edit View Help

(chaitanya@kali)-[~/Documents/Assignment1]
$ ps
  PID TTY          TIME CMD
 86600 pts/0        00:00:00 zsh
 89861 pts/0        00:00:00 ps
```

top: Display real-time system information and processes

```
chaitanya@kali: ~/Documents/Assignment1
File Actions Edit View Help

(chaitanya@kali)-[~]
$ cd /home/chaitanya/Documents/Assignment1

(chaitanya@kali)-[~/Documents/Assignment1]
$ top
```

```
chaitanya@kali: ~/Documents/Assignment1
File Actions Edit View Help

top - 10:00:07 up 1:21, 1 user, load average: 0.13, 0.07, 0.08
Tasks: 166 total, 1 running, 165 sleeping, 0 stopped, 0 zombie
%Cpu(s): 0.0 us, 0.2 sy, 0.0 ni, 99.7 id, 0.0 wa, 0.0 hi, 0.2 si, 0.0
MiB Mem : 3920.2 total, 945.5 free, 1005.8 used, 2272.6 buff/cache
MiB Swap: 975.0 total, 953.4 free, 21.6 used. 2914.4 avail Mem

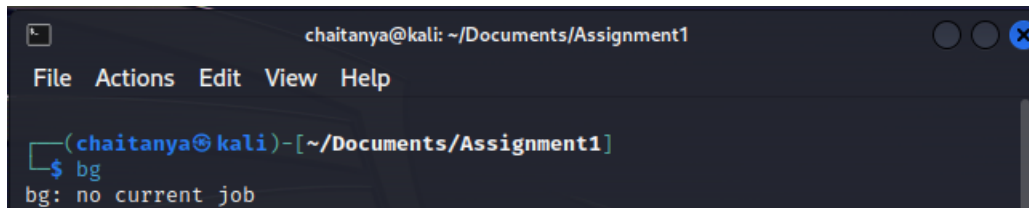
  PID USER      PR  NI   VIRT   RES   SHR  S  %CPU  %MEM    TIME+
1080 chaitan+  20   0 658408 41332 29920 S   0.3   1.0   0:03.70
  1 root      20   0 169028 13560  9020 S   0.0   0.3   0:15.48
  2 root      20   0      0      0      0 S   0.0   0.0   0:00.00
  3 root      0 -20      0      0      0 I   0.0   0.0   0:00.00
  4 root      0 -20      0      0      0 I   0.0   0.0   0:00.00
  5 root      0 -20      0      0      0 I   0.0   0.0   0:00.00
  6 root      0 -20      0      0      0 I   0.0   0.0   0:00.00
  8 root      0 -20      0      0      0 I   0.0   0.0   0:00.00
10 root      0 -20      0      0      0 I   0.0   0.0   0:00.00
11 root      20   0      0      0      0 I   0.0   0.0   0:00.00
12 root      20   0      0      0      0 I   0.0   0.0   0:00.00
13 root      20   0      0      0      0 I   0.0   0.0   0:00.00
14 root      20   0      0      0      0 S   0.0   0.0   0:00.24
15 root      20   0      0      0      0 I   0.0   0.0   0:02.78
16 root      rt    0      0      0      0 S   0.0   0.0   0:00.07
18 root      20   0      0      0      0 S   0.0   0.0   0:00.00
```

Kill: Terminate processes

```
chaitanya@kali: ~/Documents/Assignment1
File Actions Edit View Help

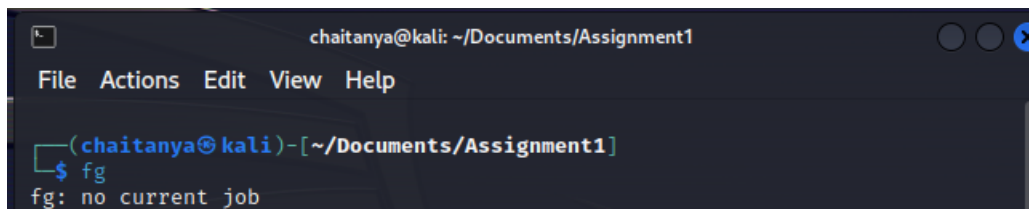
(chaitanya@kali)-[~/Documents/Assignment1]
$ kill -l
HUP INT QUIT ILL TRAP IOT BUS FPE KILL USR1 SEGV USR2 PIPE ALRM TERM STKFLT C
HLD CONT STOP TSTP TTIN TTOU URG XCPU XFSZ VTALRM PROF WINCH POLL PWR SYS
```


bg: Run processes in the background



```
chaitanya@kali: ~/Documents/Assignment1
File Actions Edit View Help
(chaitanya@kali)-[~/Documents/Assignment1]
$ bg
bg: no current job
```

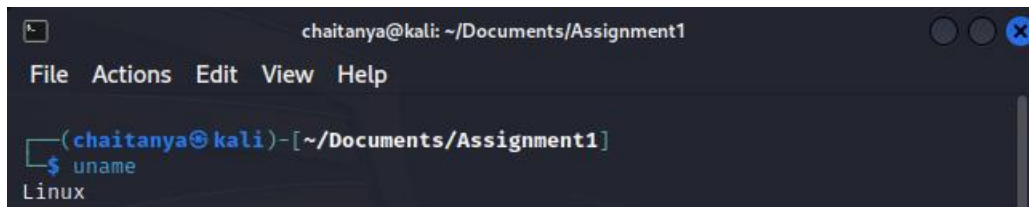
fg: Bring background processes to the foreground



```
chaitanya@kali: ~/Documents/Assignment1
File Actions Edit View Help
(chaitanya@kali)-[~/Documents/Assignment1]
$ fg
fg: no current job
```

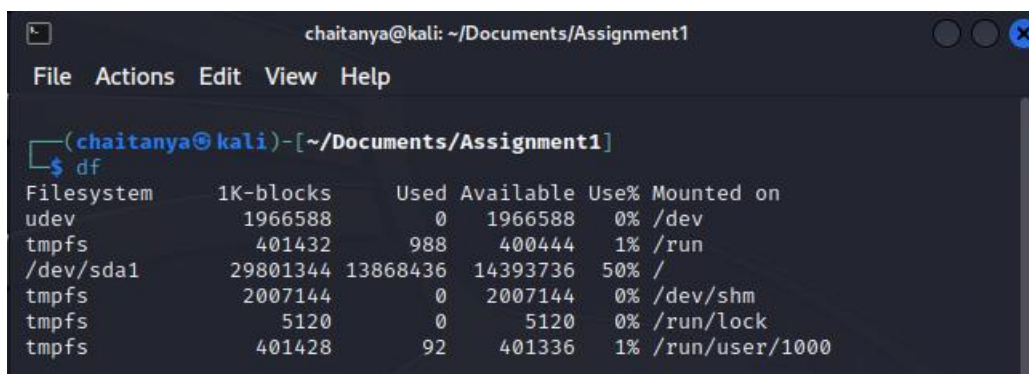
System Information:

uname: Print system information



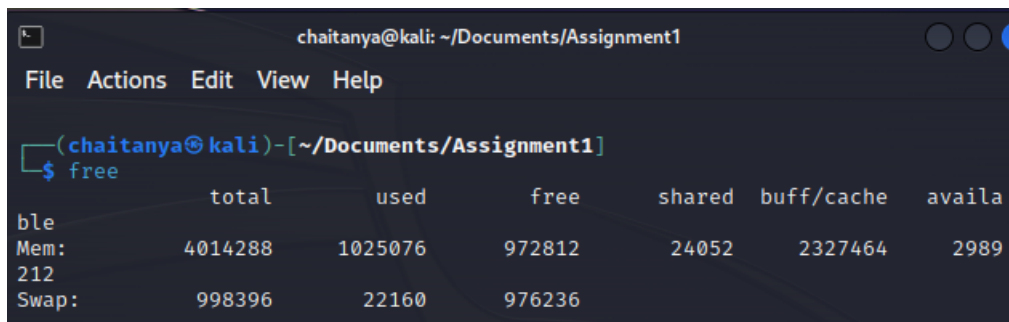
```
chaitanya@kali: ~/Documents/Assignment1
File Actions Edit View Help
(chaitanya@kali)-[~/Documents/Assignment1]
$ uname
Linux
```

df: Display disk space usage



```
chaitanya@kali: ~/Documents/Assignment1
File Actions Edit View Help
(chaitanya@kali)-[~/Documents/Assignment1]
$ df
Filesystem      1K-blocks      Used Available Use% Mounted on
udev            1966588         0   1966588  0% /dev
tmpfs           401432         988   400444  1% /run
/dev/sda1       29801344 13868436 14393736 50% /
tmpfs           2007144         0   2007144  0% /dev/shm
tmpfs           5120          0     5120  0% /run/lock
tmpfs           401428         92    401336  1% /run/user/1000
```

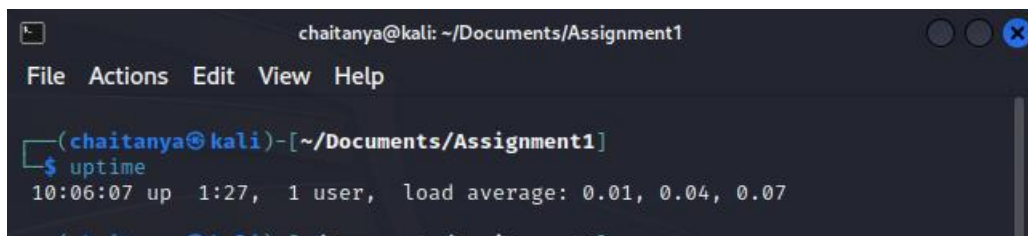
free: Display memory usage



```
chaitanya@kali: ~/Documents/Assignment1
File Actions Edit View Help

(chaitanya@kali)-[~/Documents/Assignment1]
$ free
              total        used        free      shared  buff/cache   availa
ble
Mem:           4014288      1025076       972812        24052       2327464        2989
212
Swap:           998396         22160       976236
```

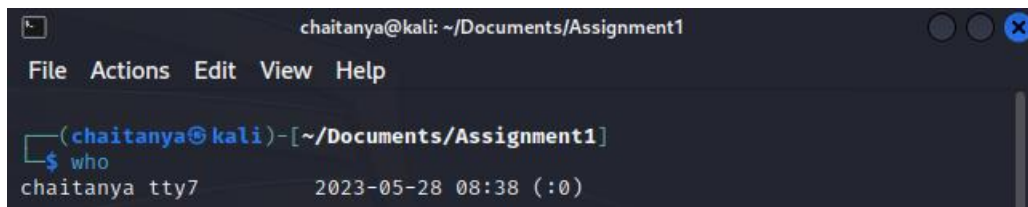
uptime: Show system uptime



```
chaitanya@kali: ~/Documents/Assignment1
File Actions Edit View Help

(chaitanya@kali)-[~/Documents/Assignment1]
$ uptime
10:06:07 up 1:27, 1 user, load average: 0.01, 0.04, 0.07
```

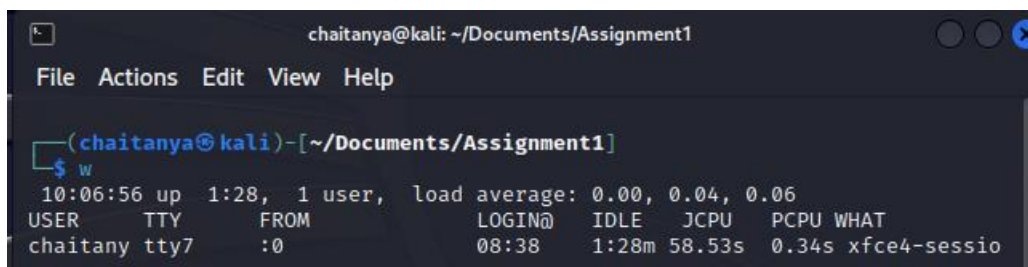
who: Display logged-in users



```
chaitanya@kali: ~/Documents/Assignment1
File Actions Edit View Help

(chaitanya@kali)-[~/Documents/Assignment1]
$ who
chaitanya tty7      2023-05-28 08:38 (:0)
```

w: Display logged-in users and their activities

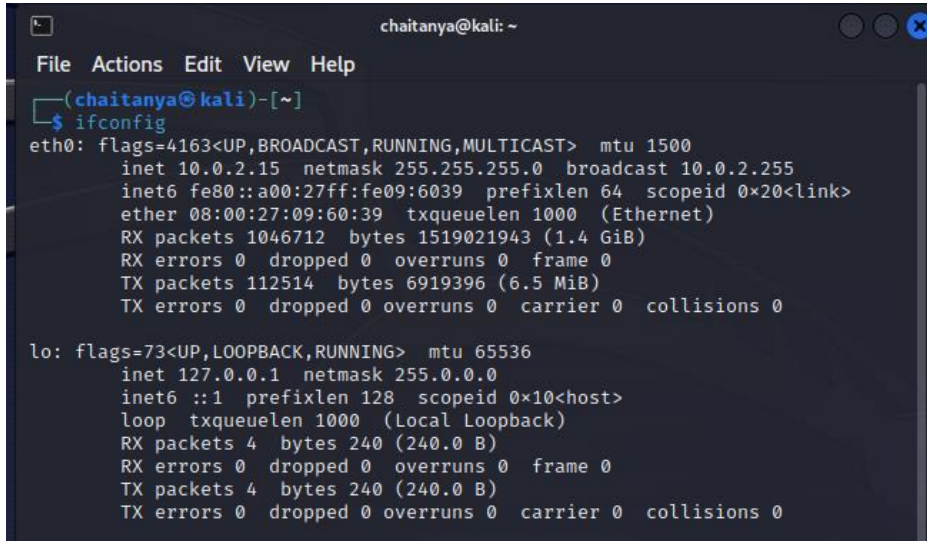


```
chaitanya@kali: ~/Documents/Assignment1
File Actions Edit View Help

(chaitanya@kali)-[~/Documents/Assignment1]
$ w
10:06:56 up 1:28, 1 user, load average: 0.00, 0.04, 0.06
USER      TTY      FROM          LOGIN@   IDLE   JCPU   PCPU   WHAT
chaitany  tty7      :0             08:38    1:28m 58.53s 0.34s  xfce4-sessio
```

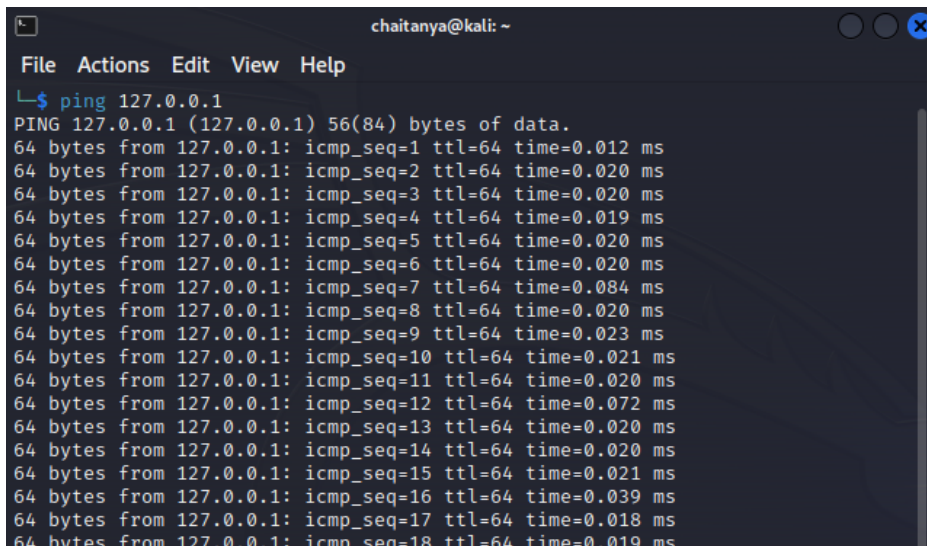
Networking:

ifconfig: Configure network interfaces



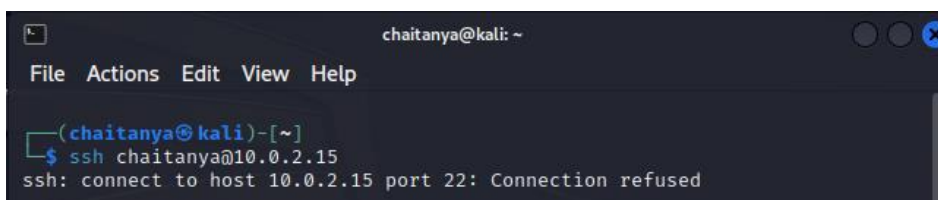
```
chaitanya@kali: ~  
File Actions Edit View Help  
(chaitanya@kali)~  
$ ifconfig  
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500  
    inet 10.0.2.15 netmask 255.255.255.0 broadcast 10.0.2.255  
    inet6 fe80::a00:27ff:fe09:6039 prefixlen 64 scopeid 0x20<link>  
    ether 08:00:27:09:60:39 txqueuelen 1000 (Ethernet)  
    RX packets 1046712 bytes 1519021943 (1.4 GiB)  
    RX errors 0 dropped 0 overruns 0 frame 0  
    TX packets 112514 bytes 6919396 (6.5 MiB)  
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536  
    inet 127.0.0.1 netmask 255.0.0.0  
    inet6 ::1 prefixlen 128 scopeid 0x10<host>  
    loop txqueuelen 1000 (Local Loopback)  
    RX packets 4 bytes 240 (240.0 B)  
    RX errors 0 dropped 0 overruns 0 frame 0  
    TX packets 4 bytes 240 (240.0 B)  
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

ping: Send ICMP echo requests to a network host



```
chaitanya@kali: ~  
File Actions Edit View Help  
(chaitanya@kali)~  
$ ping 127.0.0.1  
PING 127.0.0.1 (127.0.0.1) 56(84) bytes of data:  
64 bytes from 127.0.0.1: icmp_seq=1 ttl=64 time=0.012 ms  
64 bytes from 127.0.0.1: icmp_seq=2 ttl=64 time=0.020 ms  
64 bytes from 127.0.0.1: icmp_seq=3 ttl=64 time=0.020 ms  
64 bytes from 127.0.0.1: icmp_seq=4 ttl=64 time=0.019 ms  
64 bytes from 127.0.0.1: icmp_seq=5 ttl=64 time=0.020 ms  
64 bytes from 127.0.0.1: icmp_seq=6 ttl=64 time=0.020 ms  
64 bytes from 127.0.0.1: icmp_seq=7 ttl=64 time=0.084 ms  
64 bytes from 127.0.0.1: icmp_seq=8 ttl=64 time=0.020 ms  
64 bytes from 127.0.0.1: icmp_seq=9 ttl=64 time=0.023 ms  
64 bytes from 127.0.0.1: icmp_seq=10 ttl=64 time=0.021 ms  
64 bytes from 127.0.0.1: icmp_seq=11 ttl=64 time=0.020 ms  
64 bytes from 127.0.0.1: icmp_seq=12 ttl=64 time=0.072 ms  
64 bytes from 127.0.0.1: icmp_seq=13 ttl=64 time=0.020 ms  
64 bytes from 127.0.0.1: icmp_seq=14 ttl=64 time=0.020 ms  
64 bytes from 127.0.0.1: icmp_seq=15 ttl=64 time=0.021 ms  
64 bytes from 127.0.0.1: icmp_seq=16 ttl=64 time=0.039 ms  
64 bytes from 127.0.0.1: icmp_seq=17 ttl=64 time=0.018 ms  
64 bytes from 127.0.0.1: icmp_seq=18 ttl=64 time=0.019 ms
```

ssh: Securely connect to a remote system



```
chaitanya@kali: ~  
File Actions Edit View Help  
(chaitanya@kali)~  
$ ssh chaitanya@10.0.2.15  
ssh: connect to host 10.0.2.15 port 22: Connection refused
```

scp: Securely copy files between systems

```
chaitanya@kali: ~  
File Actions Edit View Help  
(chaitanya@kali)-[~]  
$ scp a.txt chaitanya@10.0.2.15:/home/chaitanya  
ssh: connect to host 10.0.2.15 port 22: Connection refused  
scp: Connection closed
```

wget: Download files from the web

```
chaitanya@kali: ~  
File Actions Edit View Help  
(chaitanya@kali)-[~]  
$ wget http://ftp.gnu.org/gnu/wget/wget2-2.0.0.tar.gz  
--2023-05-28 10:16:21-- http://ftp.gnu.org/gnu/wget/wget2-2.0.0.tar.gz  
Resolving ftp.gnu.org (ftp.gnu.org)... 209.51.188.20, 2001:470:142:3::b  
Connecting to ftp.gnu.org (ftp.gnu.org)|209.51.188.20|:80 ... connected.  
HTTP request sent, awaiting response... 200 OK  
Length: 3565643 (3.4M) [application/x-gzip]  
Saving to: 'wget2-2.0.0.tar.gz'  
  
wget2-2.0.0.tar.gz 100%[=====>] 3.40M 767KB/s in 6.1s  
  
2023-05-28 10:16:29 (568 KB/s) - 'wget2-2.0.0.tar.gz' saved [3565643/3565643]
```

System Administration:

sudo: Execute commands with superuser privileges

```
chaitanya@kali: ~/Documents/Assignment1  
File Actions Edit View Help  
(chaitanya@kali)-[~]  
$ cd /home/chaitanya/Documents/Assignment1  
  
(chaitanya@kali)-[~/Documents/Assignment1]  
$ sudo  
usage: sudo -h | -K | -k | -V  
usage: sudo -v [-ABkNnS] [-g group] [-h host] [-p prompt] [-u user]  
usage: sudo -l [-ABkNnS] [-g group] [-h host] [-p prompt] [-U user] [-u  
user] [command [arg ...]]  
usage: sudo [-ABbEHknPS] [-r role] [-t type] [-C num] [-D directory] [-g  
group] [-h host] [-p prompt] [-R directory] [-T timeout] [-u  
user] [VAR=value] [-i | -s] [command [arg ...]]  
usage: sudo -e [-ABkNnS] [-r role] [-t type] [-C num] [-D directory] [-g  
group] [-h host] [-p prompt] [-R directory] [-T timeout] [-u  
user] file ...
```


apt-get: Package management for Debian-based distributions

```
File Actions Edit View Help
remove - Remove packages
purge - Remove packages and config files
autoremove - Remove automatically all unused packages
dist-upgrade - Distribution upgrade, see apt-get(8)
dselect-upgrade - Follow dselect selections
build-dep - Configure build-dependencies for source packages
satisfy - Satisfy dependency strings
clean - Erase downloaded archive files
autoclean - Erase old downloaded archive files
check - Verify that there are no broken dependencies
source - Download source archives
download - Download the binary package into the current directory
changelog - Download and display the changelog for the given package

See apt-get(8) for more information about the available commands.
Configuration options and syntax is detailed in apt.conf(5).
Information about how to configure sources can be found in sources.list(5).
Package and version choices can be expressed via apt_preferences(5).
Security details are available in apt-secure(8).
This APT has Super Cow Powers.
```

yum: Package management for Red Hat-based distributions

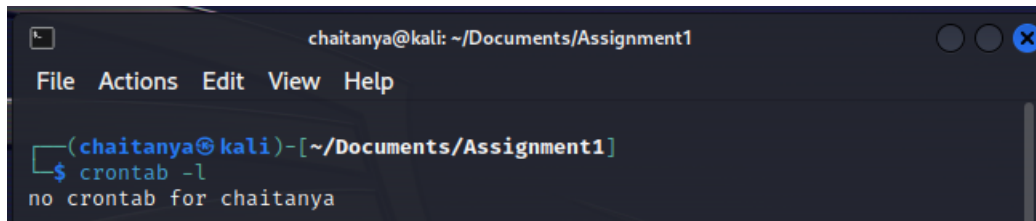
```
chaitanya@kali: ~/Documents/Assignment1
File Actions Edit View Help

(chaitanya@kali)-[~/Documents/Assignment1]
$ yum search firefox
Command 'yum' not found, did you mean:
  command 'sum' from deb coreutils
  command 'uum' from deb freewnn-jserver
  command 'num' from deb quickcal
  command 'zum' from deb perforate
Try: sudo apt install <deb name>
```

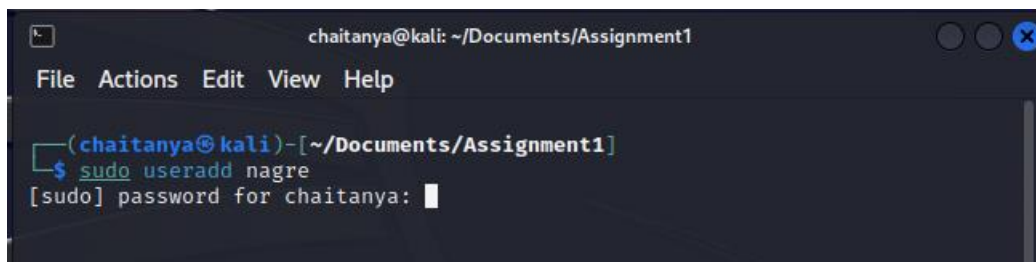
systemctl: Manage system services

```
File Actions Edit View Help
UNIT
proc-sys-fs-binfmt_misc.automount
sys-devices-pci0000:00-0000:00:01.1-ata3-host2-target2:0:0-2:0:0:0-block-
sys-devices-pci0000:00-0000:00:03.0-net-eth0.device
sys-devices-pci0000:00-0000:00:05.0-sound-card0-controlC0.device
sys-devices-pci0000:00-0000:00:0d.0-ata1-host0-target0:0:0-0:0:0:0-block-
sys-devices-pci0000:00-0000:00:0d.0-ata1-host0-target0:0:0-0:0:0:0-block-
sys-devices-pci0000:00-0000:00:0d.0-ata1-host0-target0:0:0-0:0:0:0-block-
sys-devices-pci0000:00-0000:00:0d.0-ata1-host0-target0:0:0-0:0:0:0-block-
sys-devices-platform-serial8250-tty-ttyS0.device
sys-devices-platform-serial8250-tty-ttyS1.device
sys-devices-platform-serial8250-tty-ttyS2.device
sys-devices-platform-serial8250-tty-ttyS3.device
sys-devices-virtual-misc-rfkill.device
sys-module-configfs.device
sys-module-fuse.device
sys-subsystem-net-devices-eth0.device
-.mount
dev-hugepages.mount
dev-mqueue.mount
proc-sys-fs-binfmt_misc.mount
run-credentials-systemd\x2dsysctl.service.mount
log file: █
```

crontab: Schedule recurring tasks

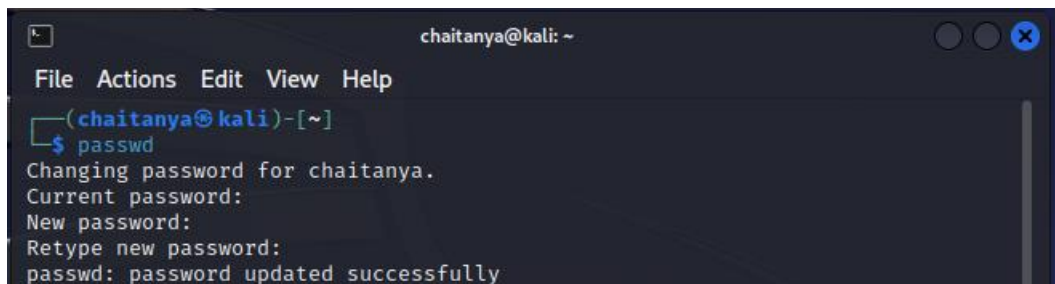
A terminal window titled 'chaitanya@kali: ~/Documents/Assignment1' with a menu bar (File, Actions, Edit, View, Help). The prompt is '(chaitanya@kali)-[~/Documents/Assignment1]'. The command '\$ crontab -l' is entered, and the output is 'no crontab for chaitanya'.

useradd: Add a new user

A terminal window titled 'chaitanya@kali: ~/Documents/Assignment1' with a menu bar (File, Actions, Edit, View, Help). The prompt is '(chaitanya@kali)-[~/Documents/Assignment1]'. The command '\$ sudo useradd nagre' is entered, and the output is '[sudo] password for chaitanya: ' followed by a cursor.

```
nm-openconnect:x:131:138:NetworkManager OpenConnect plugin,,:/var/lib/NetworkManager:/usr/sbin/nologin
dharmax:x:1000:1000:Dharma Teja,,:/home/dharma:/usr/bin/zsh
dharmal:x:1001:1001::/home/dharma1:/bin/sh
```

passwd: Change user password

A terminal window titled 'chaitanya@kali: ~' with a menu bar (File, Actions, Edit, View, Help). The prompt is '(chaitanya@kali)-[~]'. The command '\$ passwd' is entered. The output is: 'Changing password for chaitanya.', 'Current password:', 'New password:', 'Retype new password:', and 'passwd: password updated successfully'.