Title: Linux Command List Assessment

Name: Roopkatha Pradhan
Date: 28-05-2023
Regs_No: 20BCR7055
Campus: VIT-AP

File and Directory Operations:

ls: List files and directories

```
┌──(sankypanky09㉿kali)-[~]
└─$ ls
192.168.201.129  192.168.201.239  Desktop  Documents  Downloads  Helloworld  laboratory  Music  Pictures  Public  Templates  Videos
```

cd: Change directory

```
┌──(sankypanky09㉿kali)-[~]
└─$ cd /home/sankypanky09/Documents
```

pwd: Print working directory

```
┌──(sankypanky09㉿kali)-[~/Documents]
└─$ pwd
/home/sankypanky09/Documents
```

mkdir: Make directory

```
┌──(sankypanky09㉿kali)-[~/Documents]
└─$ mkdir Assignment1

┌──(sankypanky09㉿kali)-[~/Documents]
└─$ ls
Assignment1
```

touch: Create an empty file

```
┌──(sankypanky09㉿kali)-[~/Documents]
└─$ touch file1.txt

┌──(sankypanky09㉿kali)-[~/Documents]
└─$ ls
Assignment1  file1.txt
```

cp: Copy files and directories

```
┌──(sankypanky09㉿kali)-[~/Documents]
└─$ ls
Assignment1  file1.txt

┌──(sankypanky09㉿kali)-[~/Documents]
└─$ cp file1.txt Assignment1

┌──(sankypanky09㉿kali)-[~/Documents]
└─$ cd Assignment1

┌──(sankypanky09㉿kali)-[~/Documents/Assignment1]
└─$ ls
file1.txt
```

mv: Move or rename files and directories

```
┌──(sankypanky09☯ kali)-[~/Documents/Assignment1]
└─$ ls
file1.txt

┌──(sankypanky09☯ kali)-[~/Documents/Assignment1]
└─$ mv file1.txt newfile.txt

┌──(sankypanky09☯ kali)-[~/Documents/Assignment1]
└─$ ls
newfile.txt
```

rm: Remove files and directories

```
┌──(sankypanky09☯ kali)-[~/Documents/Assignment1]
└─$ ls
newfile.txt

┌──(sankypanky09☯ kali)-[~/Documents/Assignment1]
└─$ rm newfile.txt

┌──(sankypanky09☯ kali)-[~/Documents/Assignment1]
└─$ ls
```

find: Search for files and directories

```
┌──(sankypanky09☯ kali)-[~/Documents]
└─$ ls
Assignment1  file1.txt

┌──(sankypanky09☯ kali)-[~/Documents]
└─$ find
.
./Assignment1
./file1.txt
```

File Viewing and Editing:

cat: Concatenate and display file content

```
┌──(sankypanky09☯ kali)-[~/Documents]
└─$ cat file1.txt
this is sankalpa's first assignment
```

less: View file content with pagination

```
┌──(sankypanky09☯ kali)-[~/Documents]
└─$ less file1.txt
```

```
this is sankalpa's first assignment
file1.txt (END)
```
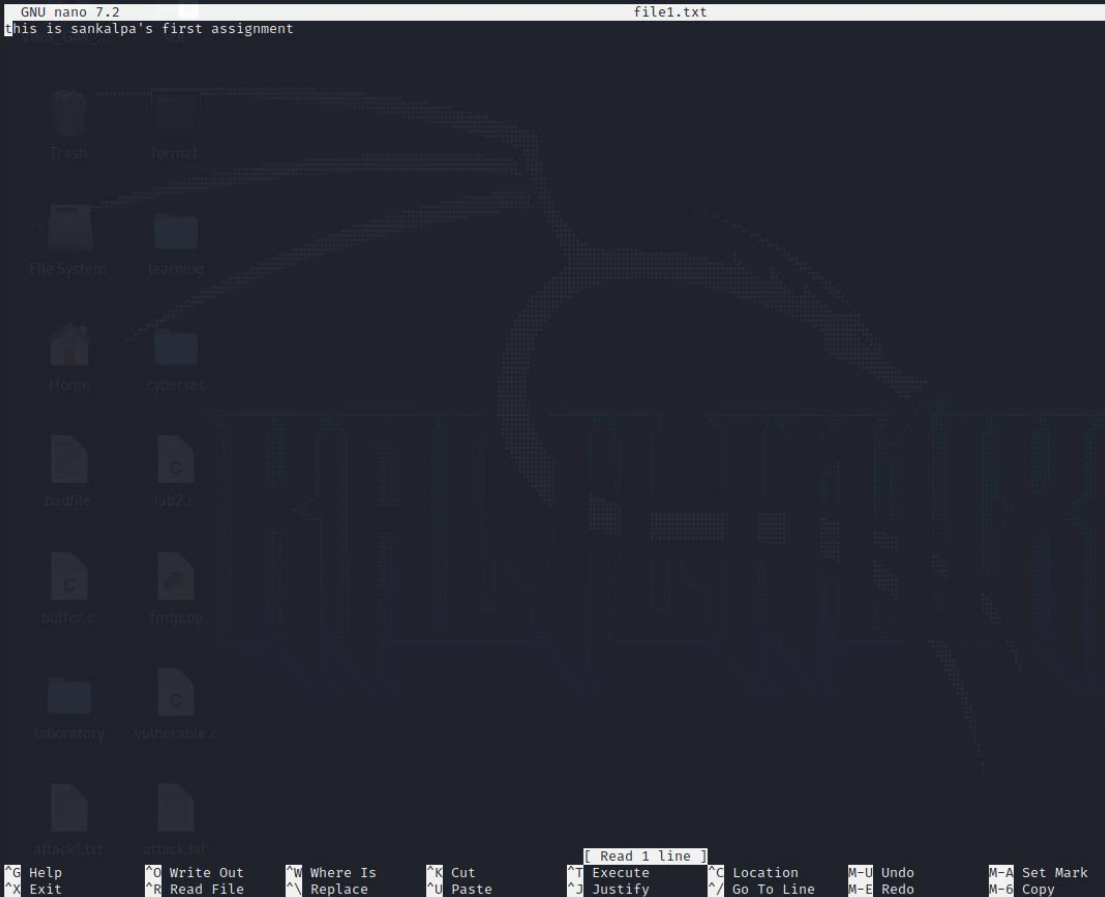
head: Display the beginning of a file

```
┌──(sankypanky09☺ kali)-[~/Documents]
└─$ head file1.txt
this is sankalpa's first assignment
```

tail: Display the end of a file

```
┌──(sankypanky09☺ kali)-[~/Documents]
└─$ tail file1.txt
this is sankalpa's first assignment
```

nano: Text editor for creating and editing files

```
┌──(sankypanky09☺ kali)-[~/Documents]
└─$ nano file1.txt
```

```
  GNU nano 7.2                                    file1.txt
this is sankalpa's first assignment




^G Help        ^O Write Out    ^W Where Is    ^K Cut      ^T Execute    ^C Location    M-U Undo    M-A Set Mark
^X Exit        ^R Read File     ^\ Replace    ^U Paste    ^J Justify    ^/ Go To Line  M-E Redo    M-6 Copy
```

vi/vim: Powerful text editor for experienced users

File Permissions:

chmod: Change file permissions


```
┌──(sankypanky09㉿kali)-[~/Documents/Assignment1]
└─$ chmod u+rwx file1.txt
```

chown: Change file owner


```
┌──(sankypanky09㉿kali)-[~/Documents/Assignment1]
└─$ chown sankypanky09 file1.txt

┌──(sankypanky09㉿kali)-[~/Documents/Assignment1]
└─$ ls -l file1.txt
-rwxr--r-- 1 sankypanky09 sankypanky09 36 May 28 16:53 file1.txt
```

chgrp: Change file group


```
┌──(sankypanky09㉿kali)-[~/Documents/Assignment1]
└─$ sudo chgrp sankypanky09 file1.txt
[sudo] password for sankypanky09:

┌──(sankypanky09㉿kali)-[~/Documents/Assignment1]
└─$ ls -l
total 4
-rwxr--r-- 1 sankypanky09 sankypanky09 36 May 28 16:53 file1.txt
```

File Compression and Archiving:

tar: Archive files

```
┌──(sankypanky09㉿kali)-[~/Documents/Assignment1]
└─$ tar -rvf assgn.tar file1.txt
file1.txt
```


gzip: Compress files

```
┌──(sankypanky09㉿kali)-[~/Documents/Assignment1]
└─$ gzip file1.txt
```
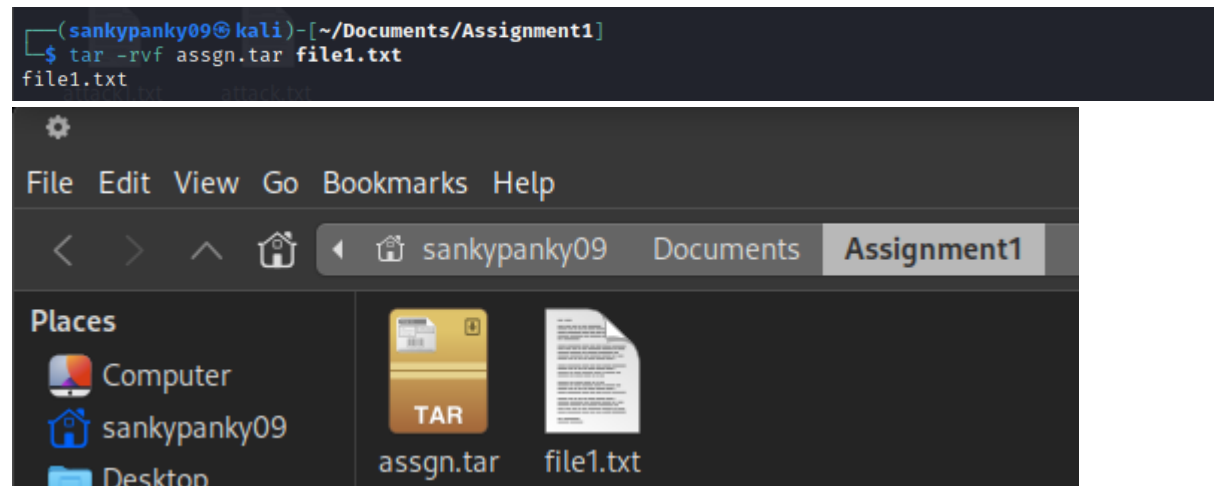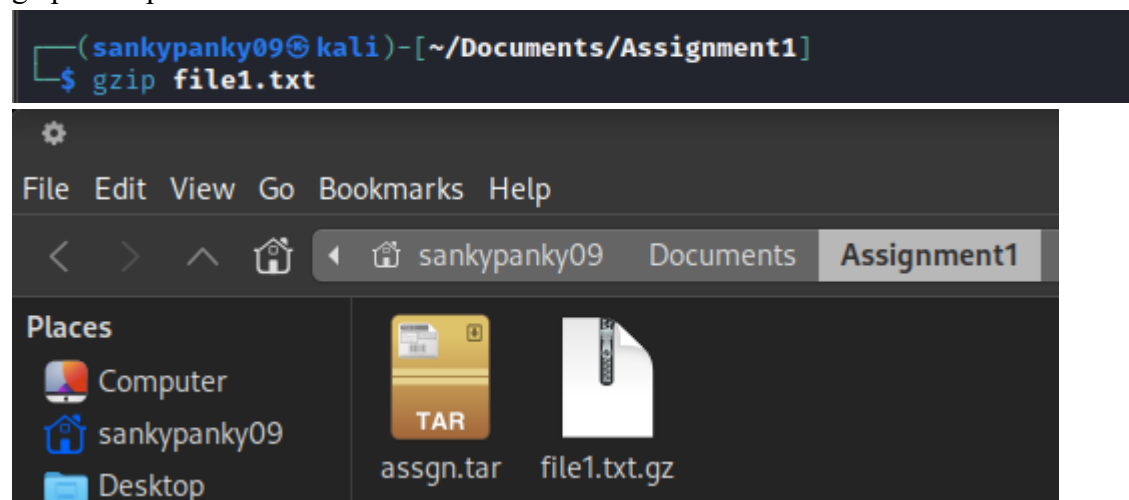

unzip: Extract files from a ZIP archive

```
┌──(sankypanky09㉿kali)-[~/Documents/Assignment1]
└─$ gunzip file1.txt.gz
```
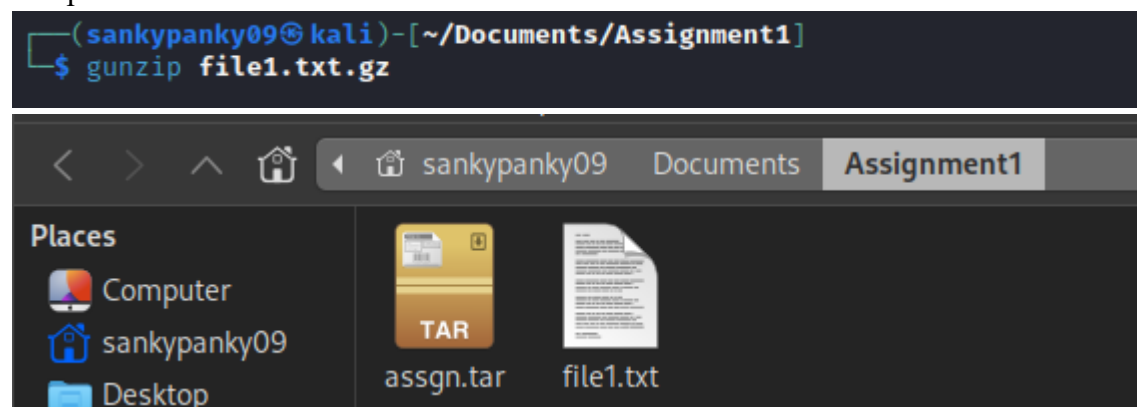
Process Management:

ps: List running processes

```
┌──(sankypanky09㉿kali)-[~/Documents/Assignment1]
└─$ ps
   PID TTY          TIME CMD
  7585 pts/0    00:00:00 zsh
  9676 pts/0    00:00:00 ps
```

top: Display real-time system information and processes

```
┌──(sankypanky09㉿kali)-[~/Documents/Assignment1]
└─$ top
```

```
                              sankypanky09@kali: ~/Documents/Assignment1
File  Actions  Edit  View  Help
top - 17:00:44 up 32 min,  1 user,  load average: 0.06, 0.08, 0.09
Tasks: 179 total,   1 running, 178 sleeping,   0 stopped,   0 zombie
%Cpu(s):  0.1 us,  0.3 sy,  0.0 ni, 99.5 id,  0.0 wa,  0.0 hi,  0.2 si,  0.0 st
MiB Mem :   3929.0 total,   1264.6 free,   1203.5 used,   1460.9 buff/cache
MiB Swap:    975.0 total,    975.0 free,      0.0 used.   2430.5 avail Mem

   PID USER      PR  NI    VIRT    RES    SHR S  %CPU  %MEM     TIME+ COMMAND
   904 root      20   0  462488 142136  65284 S   0.7   3.5   0:10.28 Xorg
  7582 sankypa+  20   0  466956 107040  87916 S   0.7   2.7   0:00.88 qterminal
   633 redis     20   0  353632 273756   9904 S   0.3   6.8   0:25.80 redis-server
  1258 sankypa+  20   0  540872  51452  30916 S   0.3   1.3   0:00.58 panel-1-whisker
  1262 sankypa+  20   0  435844  43776  22560 S   0.3   1.1   0:02.12 panel-13-cpugra
  9799 sankypa+  20   0   10360   3912   3120 R   0.3   0.1   0:00.01 top
     1 root      20   0  168004  12460   9052 S   0.0   0.3   0:00.84 systemd
     2 root      20   0       0      0      0 S   0.0   0.0   0:00.00 kthreadd
     3 root       0 -20       0      0      0 I   0.0   0.0   0:00.00 rcu_gp
     4 root       0 -20       0      0      0 I   0.0   0.0   0:00.00 rcu_par_gp
     5 root       0 -20       0      0      0 I   0.0   0.0   0:00.00 netns
     7 root       0 -20       0      0      0 I   0.0   0.0   0:00.00 kworker/0:0H-events_highpri
     9 root       0 -20       0      0      0 I   0.0   0.0   0:00.06 kworker/0:1H-events_highpri
    10 root       0 -20       0      0      0 I   0.0   0.0   0:00.00 mm_percpu_wq
    11 root      20   0       0      0      0 I   0.0   0.0   0:00.00 rcu_tasks_kthread
    12 root      20   0       0      0      0 I   0.0   0.0   0:00.00 rcu_tasks_rude_kthread
    13 root      20   0       0      0      0 I   0.0   0.0   0:00.00 rcu_tasks_trace_kthread
    14 root      20   0       0      0      0 S   0.0   0.0   0:00.02 ksoftirqd/0
    15 root      20   0       0      0      0 I   0.0   0.0   0:00.87 rcu_preempt
```
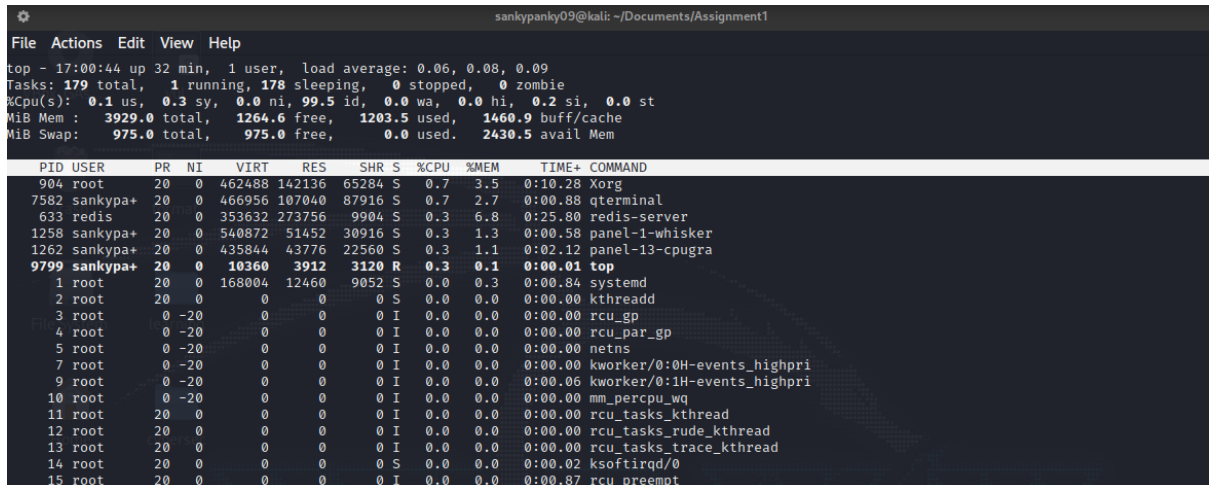
Kill: Terminate processes

```
┌──(sankypanky09㉿kali)-[~/Documents/Assignment1]
└─$ kill -l
HUP INT QUIT ILL TRAP IOT BUS FPE KILL USR1 SEGV USR2 PIPE ALRM TERM STKFLT CHLD CONT STOP TSTP TTIN TTOU URG XCPU XFSZ VTALRM PROF WINCH POLL PWR SYS
```

bg: Run processes in the background

```
┌──(sankypanky09㉿kali)-[~/Documents/Assignment1]
└─$ bg
bg: no current job
```

fg: Bring background processes to the foreground

```
┌──(sankypanky09㉿kali)-[~/Documents/Assignment1]
└─$ fg
fg: no current job
```

System Information:

uname: Print system information

```
┌──(sankypanky09㉿kali)-[~/Documents/Assignment1]
└─$ uname
Linux
```

df: Display disk space usage

```
┌──(sankypanky09㉿kali)-[~/Documents/Assignment1]
└─$ df
Filesystem     1K-blocks     Used Available Use% Mounted on
udev             1973192        0   1973192   0% /dev
tmpfs             402332     1072    401260   1% /run
/dev/sda1       49835576 22583992  24687644  48% /
tmpfs            2011656        0   2011656   0% /dev/shm
tmpfs               5120        0      5120   0% /run/lock
tmpfs             402328       84    402244   1% /run/user/1000
```

free: Display memory usage

```
┌──(sankypanky09㉿kali)-[~/Documents/Assignment1]
└─$ free
               total        used        free      shared  buff/cache   available
Mem:         4023316     1218108     1309124       15044     1496084     2503124
Swap:         998396           0      998396
```

uptime: Show system uptime

```
┌──(sankypanky09㉿kali)-[~/Documents/Assignment1]
└─$ uptime
 17:02:53 up 34 min,  1 user,  load average: 0.10, 0.08, 0.09
```

who: Display logged-in users

```
┌──(sankypanky09㉿kali)-[~/Documents/Assignment1]
└─$ who
sankypanky09 tty7         2023-05-28 16:30 (:0)
```

w: Display logged-in users and their activities

```
┌──(sankypanky09㉿kali)-[~/Documents/Assignment1]
└─$ w
 17:02:59 up 34 min,  1 user,  load average: 0.17, 0.09, 0.09
USER     TTY      FROM             LOGIN@   IDLE   JCPU   PCPU WHAT
sankypan tty7     :0               16:30   34:40  10.84s  0.46s xfce4-session
```

Networking:

ifconfig: Configure network interfaces

```
┌──(sankypanky09㊉kali)-[~]
└─$ ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 192.168.35.4  netmask 255.255.255.0  broadcast 192.168.35.255
        inet6 fe80::a00:27ff:fe45:64a9  prefixlen 64  scopeid 0×20<link>
        inet6 fd17:625c:f037:2:a00:27ff:fe45:64a9  prefixlen 64  scopeid 0×0<global>
        inet6 fd17:625c:f037:2:97db:982d:54b4:2f35  prefixlen 64  scopeid 0×0<global>
        ether 08:00:27:45:64:a9  txqueuelen 1000  (Ethernet)
        RX packets 7176  bytes 10415234 (9.9 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 1861  bytes 134053 (130.9 KiB)
        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 0×10<host>
        loop  txqueuelen 1000  (Local Loopback)
        RX packets 324  bytes 22339 (21.8 KiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 324  bytes 22339 (21.8 KiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
```

ping: Send ICMP echo requests to a network host

```
┌──(sankypanky09㊉kali)-[~]
└─$ ping 192.168.35.5
PING 192.168.35.5 (192.168.35.5) 56(84) bytes of data.
64 bytes from 192.168.35.5: icmp_seq=1 ttl=64 time=0.552 ms
64 bytes from 192.168.35.5: icmp_seq=2 ttl=64 time=0.318 ms
64 bytes from 192.168.35.5: icmp_seq=3 ttl=64 time=0.409 ms
64 bytes from 192.168.35.5: icmp_seq=4 ttl=64 time=0.298 ms
64 bytes from 192.168.35.5: icmp_seq=5 ttl=64 time=0.259 ms
64 bytes from 192.168.35.5: icmp_seq=6 ttl=64 time=0.248 ms
64 bytes from 192.168.35.5: icmp_seq=7 ttl=64 time=0.522 ms
64 bytes from 192.168.35.5: icmp_seq=8 ttl=64 time=0.406 ms
64 bytes from 192.168.35.5: icmp_seq=9 ttl=64 time=0.361 ms
64 bytes from 192.168.35.5: icmp_seq=10 ttl=64 time=0.417 ms
64 bytes from 192.168.35.5: icmp_seq=11 ttl=64 time=0.352 ms
64 bytes from 192.168.35.5: icmp_seq=12 ttl=64 time=0.363 ms
^C
── 192.168.35.5 ping statistics ──
12 packets transmitted, 12 received, 0% packet loss, time 11239ms
rtt min/avg/max/mdev = 0.248/0.375/0.552/0.089 ms
```

```
┌──(sankypanky09㊉kali)-[~]
└─$ ping google.com
PING google.com (172.217.166.46) 56(84) bytes of data.
64 bytes from bom07s18-in-f14.1e100.net (172.217.166.46): icmp_seq=1 ttl=110 time=51.3 ms
64 bytes from bom07s18-in-f14.1e100.net (172.217.166.46): icmp_seq=2 ttl=110 time=50.2 ms
64 bytes from bom07s18-in-f14.1e100.net (172.217.166.46): icmp_seq=3 ttl=110 time=52.5 ms
64 bytes from bom07s18-in-f14.1e100.net (172.217.166.46): icmp_seq=4 ttl=110 time=52.5 ms
64 bytes from bom07s18-in-f14.1e100.net (172.217.166.46): icmp_seq=5 ttl=110 time=52.2 ms
64 bytes from bom07s18-in-f14.1e100.net (172.217.166.46): icmp_seq=6 ttl=110 time=52.8 ms
64 bytes from bom07s18-in-f14.1e100.net (172.217.166.46): icmp_seq=7 ttl=110 time=49.9 ms
^C
── google.com ping statistics ──
7 packets transmitted, 7 received, 0% packet loss, time 6046ms
rtt min/avg/max/mdev = 49.910/51.632/52.773/1.078 ms
```

ssh: Securely connect to a remote system


```
┌──(sankypanky09㉿kali)-[~]
└─$ ssh sankalpa@192.168.35.5
The authenticity of host '192.168.35.5 (192.168.35.5)' can't be established.
ED25519 key fingerprint is SHA256:7ocpgy6BaW+VILqUImS2eSXO5T3apWagZjA4Ssse4kU.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '192.168.35.5' (ED25519) to the list of known hosts.
sankalpa@192.168.35.5's password:
Welcome to Ubuntu 20.04.1 LTS (GNU/Linux 5.13.0-35-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:     https://landscape.canonical.com
 * Support:        https://ubuntu.com/advantage

 * Strictly confined Kubernetes makes edge and IoT secure. Learn how MicroK8s
   just raised the bar for easy, resilient and secure K8s cluster deployment.

   https://ubuntu.com/engage/secure-kubernetes-at-the-edge

641 updates can be installed immediately.
421 of these updates are security updates.
To see these additional updates run: apt list --upgradable


The list of available updates is more than a week old.
To check for new updates run: sudo apt update
Your Hardware Enablement Stack (HWE) is supported until April 2025.

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

sankalpa@sankalpa-VirtualBox:~$ ▮
```
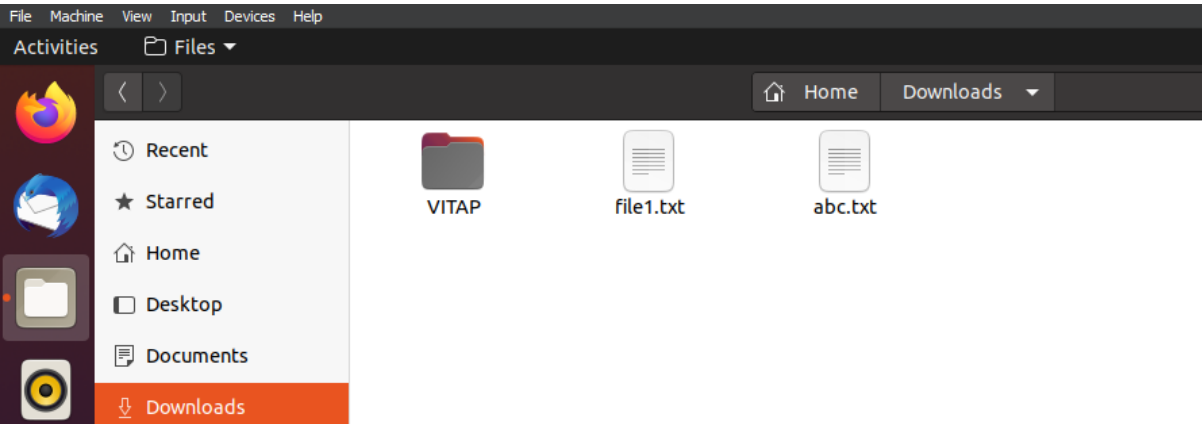
scp: Securely copy files between systems

wget: Download files from the web

```
┌──(sankypanky09㉿kali)-[~/Documents/Assignment1]
└─$ wget https://download.configserver.com/csf.tgz

--2023-05-28 17:15:08--  https://download.configserver.com/csf.tgz
Resolving download.configserver.com (download.configserver.com)... 94.130.90.175
Connecting to download.configserver.com (download.configserver.com)|94.130.90.175|:443 ... connected.
HTTP request sent, awaiting response ... 200 OK
Length: 2288477 (2.2M) [application/x-gzip]
Saving to: 'csf.tgz'

csf.tgz                      100%[===================================>]   2.18M  2.05MB/s    in 1.1s

2023-05-28 17:15:11 (2.05 MB/s) - 'csf.tgz' saved [2288477/2288477]
```

System Administration:

sudo: Execute commands with superuser privileges

```
┌──(sankypanky09㉿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 [-ABbEHkNnPS] [-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

```
┌──(sankypanky09㉿kali)-[~/Documents/Assignment1]
└─$ apt-get
apt 2.6.0 (amd64)
Usage: apt-get [options] command
       apt-get [options] install|remove pkg1 [pkg2 ...]
       apt-get [options] source pkg1 [pkg2 ...]

apt-get is a command line interface for retrieval of packages
and information about them from authenticated sources and
for installation, upgrade and removal of packages together
with their dependencies.

Most used commands:
  update - Retrieve new lists of packages
  upgrade - Perform an upgrade
  install - Install new packages (pkg is libc6 not libc6.deb)
  reinstall - Reinstall packages (pkg is libc6 not libc6.deb)
  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

```
┌──(sankypanky09㉿kali)-[~/Documents/Assignment1]
└─$ yum
Command 'yum' not found, did you mean:
  command 'uum' from deb freewnn-jserver
  command 'zum' from deb perforate
  command 'sum' from deb coreutils
  command 'num' from deb quickcal
Try: sudo apt install <deb name>
```

systemctl: Manage system services

```
┌──(sankypanky09㉿kali)-[~/Documents/Assignment1]
└─$ systemctl
  UNIT                                                                    LOAD   ACTIVE SUB     DESCRIPTION                              >
  proc-sys-fs-binfmt_misc.automount                                       loaded active running Arbitrary Executable File Formats File S>
  sys-devices-pci0000:00-0000:00:01.1-ata1-host0-target0:0:0-0:0:0:0-block-sr0.device  loaded active plugged VBOX_CD-ROM VBox_GAs_7.0.6
  sys-devices-pci0000:00-0000:00:01.1-ata2-host1-target1:0:0-1:0:0:0-block-sr1.device  loaded active plugged VBOX_CD-ROM
  sys-devices-pci0000:00-0000:00:03.0-net-eth0.device                     loaded active plugged 82540EM Gigabit Ethernet Controller (PRO>
  sys-devices-pci0000:00-0000:00:05.0-sound-card0-controlC0.device        loaded active plugged /sys/devices/pci0000:00/0000:00:05.0/sou>
  sys-devices-pci0000:00-0000:00:0d.0-ata3-host2-target2:0:0-2:0:0:0-block-sda-sda1.device loaded active plugged VBOX_HARDDISK 1
  sys-devices-pci0000:00-0000:00:0d.0-ata3-host2-target2:0:0-2:0:0:0-block-sda-sda2.device loaded active plugged VBOX_HARDDISK 2
  sys-devices-pci0000:00-0000:00:0d.0-ata3-host2-target2:0:0-2:0:0:0-block-sda-sda5.device loaded active plugged VBOX_HARDDISK 5
  sys-devices-pci0000:00-0000:00:0d.0-ata3-host2-target2:0:0-2:0:0:0-block-sda.device loaded active plugged VBOX_HARDDISK
  sys-devices-platform-serial8250-tty-ttyS0.device                        loaded active plugged /sys/devices/platform/serial8250/tty/tty>
  sys-devices-platform-serial8250-tty-ttyS1.device                        loaded active plugged /sys/devices/platform/serial8250/tty/tty>
  sys-devices-platform-serial8250-tty-ttyS2.device                        loaded active plugged /sys/devices/platform/serial8250/tty/tty>
  sys-devices-platform-serial8250-tty-ttyS3.device                        loaded active plugged /sys/devices/platform/serial8250/tty/tty>
  sys-devices-virtual-misc-rfkill.device                                  loaded active plugged /sys/devices/virtual/misc/rfkill
  sys-module-configfs.device                                              loaded active plugged /sys/module/configfs
  sys-module-fuse.device                                                  loaded active plugged /sys/module/fuse
  sys-subsystem-net-devices-eth0.device                                   loaded active plugged 82540EM Gigabit Ethernet Controller (PRO>
  -.mount                                                                 loaded active mounted Root Mount
  dev-hugepages.mount                                                     loaded active mounted Huge Pages File System
  dev-mqueue.mount                                                        loaded active mounted POSIX Message Queue File System
  proc-sys-fs-binfmt_misc.mount                                           loaded active mounted Arbitrary Executable File Formats File S>
  run-credentials-systemd\x2dsysctl.service.mount                         loaded active mounted /run/credentials/systemd-sysctl.service
  run-credentials-systemd\x2dsysusers.service.mount                       loaded active mounted /run/credentials/systemd-sysusers.service
  run-credentials-systemd\x2dtmpfiles\x2dsetup.service.mount              loaded active mounted /run/credentials/systemd-tmpfiles-setup.>
  run-credentials-systemd\x2dtmpfiles\x2dsetup\x2ddev.service.mount       loaded active mounted /run/credentials/systemd-tmpfiles-setup->
  run-rpc_pipefs.mount                                                    loaded active mounted RPC Pipe File System
  run-user-1000-doc.mount                                                 loaded active mounted /run/user/1000/doc
  run-user-1000-gvfs.mount                                                loaded active mounted /run/user/1000/gvfs
  run-user-1000.mount                                                     loaded active mounted /run/user/1000
  sys-fs-fuse-connections.mount                                           loaded active mounted FUSE Control File System
  sys-kernel-config.mount                                                 loaded active mounted Kernel Configuration File System
  sys-kernel-debug.mount                                                  loaded active mounted Kernel Debug File System
  sys-kernel-tracing.mount                                                loaded active mounted Kernel Trace File System               >
  systemd-ask-password-plymouth.path                                      loaded active waiting Forward Password Requests to Plymouth Di>
  systemd-ask-password-wall.path                                          loaded active waiting Forward Password Requests to Wall Direct>
  init.scope                                                              loaded active running System and Service Manager
  session-2.scope                                                         loaded active running Session 2 of User sankypanky09        >
  colord.service                                                          loaded active running Manage, Install and Generate Color Profi>
  console-setup.service                                                   loaded active exited  Set console font and keymap
  cron.service                                                            loaded active running Regular background program processing da>
● csf.service                                                            loaded failed failed  ConfigServer Firewall & Security - csf
  dbus.service                                                            loaded active running D-Bus System Message Bus
  getty@tty1.service                                                      loaded active running Getty on tty1
  haveged.service                                                         loaded active running Entropy Daemon based on the HAVEGE algor>
  ifupdown-pre.service                                                    loaded active exited  Helper to synchronize boot up for ifupdo>
  keyboard-setup.service                                                  loaded active exited  Set the console keyboard layout
  kmod-static-nodes.service                                               loaded active exited  Create List of Static Device Nodes
● lfd.service                                                            loaded failed failed  ConfigServer Firewall & Security - lfd
```

crontab: Schedule recurring tasks

```
┌──(sankypanky09㉿kali)-[~/Documents/Assignment1]
└─$ crontab -l
no crontab for sankypanky09
```

useradd: Add a new user

```
┌──(sankypanky09㉿kali)-[~/Documents/Assignment1]
└─$ sudo useradd kali
[sudo] password for sankypanky09:
```

passwd: Change user password

```
┌──(sankypanky09㉿kali)-[~/Documents/Assignment1]
└─$ passwd
Changing password for sankypanky09.
Current password:
New password:
Retype new password:
passwd: password updated successfully
```