

Title: Linux Command List Assessment

Name: Alagappan

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Regs_No: 20BCE7211

Campus: VIT-AP

File and Directory Operations:

ls: List files and directories

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

cd: Change directory

```
(azhagu@kali)~  
$ cd /home/azhagu/Documents
```

pwd: Print working directory

```
(azhagu@kali)~/Documents  
$ pwd  
/home/azhagu/Documents
```

mkdir: Make directory

```
(azhagu@kali)~/Documents  
$ mkdir Assignment1  
  
(azhagu@kali)~/Documents  
$ ls  
Assignment1
```

touch: Create an empty file

```
(azhagu@kali)~/Documents  
$ touch file1.txt  
  
(azhagu@kali)~/Documents  
$ ls  
Assignment1  file1.txt
```

cp: Copy files and directories

```
(azhagu@kali)~/Documents  
$ ls  
Assignment1  file1.txt  
  
(azhagu@kali)~/Documents  
$ cp file1.txt Assignment1  
  
(azhagu@kali)~/Documents  
$ cd Assignment1  
  
(azhagu@kali)~/Documents/Assignment1  
$ ls  
file1.txt
```

mv: Move or rename files and directories

```

(azhagu@kali)-[~/Documents/Assignment1]
$ ls
file1.txt

(azhagu@kali)-[~/Documents/Assignment1]
$ mv file1.txt newfile.txt

(azhagu@kali)-[~/Documents/Assignment1]
$ ls
newfile.txt

```

rm: Remove files and directories

```

(azhagu@kali)-[~/Documents/Assignment1]
$ ls
newfile.txt

(azhagu@kali)-[~/Documents/Assignment1]
$ rm newfile.txt

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

```

find: Search for files and directories

```

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

(azhagu@kali)-[~/Documents]
$ ls
Assignment1  file1.txt

(azhagu@kali)-[~/Documents]
$ find
.
./Assignment1
./file1.txt

(azhagu@kali)-[~/Documents]
$

```

File Viewing and Editing:

cat: Concatenate and display file content

```

Assignment1  file1.txt

(azhagu@kali)-[~/Documents]
$ cat > file1.txt
this is azhagu's first assignment

```

less: View file content with pagination

```

(azhagu@kali)-[~/Documents]
$ less file1.txt

this is azhagu's first assignment
file1.txt (END)

```

head: Display the beginning of a file

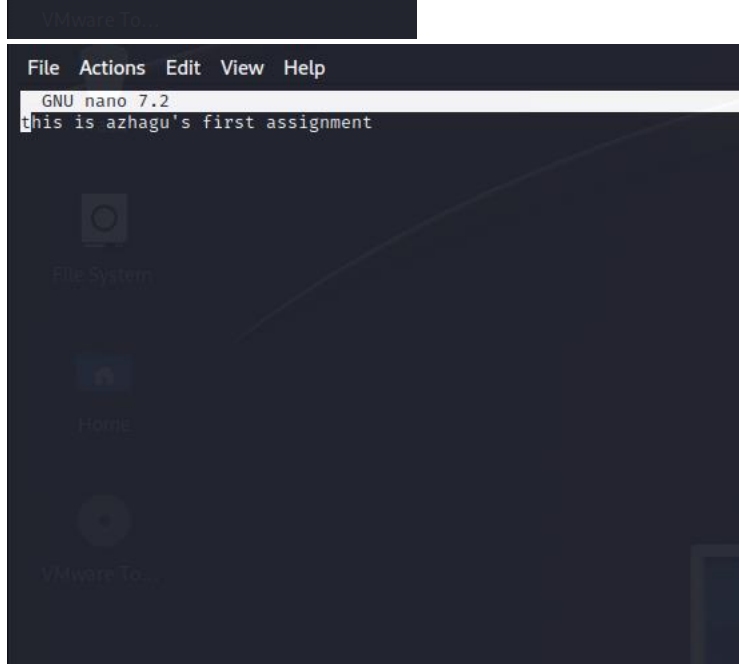
```
(azhagu@kali)-[~/Documents]
$ head file1.txt
this is azhagu's first assignment
```

tail: Display the end of a file

```
(azhagu@kali)-[~/Documents]
$ tail file1.txt
this is azhagu's first assignment
```

nano: Text editor for creating and editing files

```
(azhagu@kali)-[~/Documents]
$ nano file1.txt
```



vi/vim: Powerful text editor for experienced users



File Permissions:

chmod: Change file permissions

```
(azhagu@kali) - [~/Documents]
$ chmod u+rw file1.txt
```

chown: Change file owner

```
(azhagu@kali) - [~/Documents]
$ chown azhagu file1.txt

(azhagu@kali) - [~/Documents]
$ ls -l file1.txt
-rwxr--r-- 1 azhagu azhagu 33 May 30 12:00 file1.txt
```

chgrp: Change file group

```
(azhagu@kali) - [~/Documents]
$ sudo chgrp azhagu file1.txt
[sudo] password for azhagu:
Sorry, try again.
[sudo] password for azhagu:

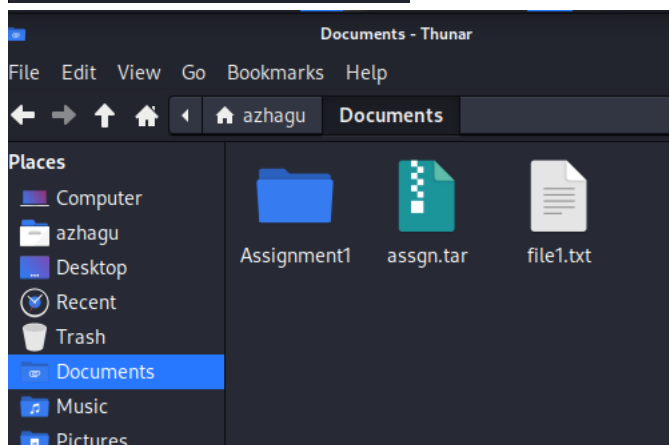
(azhagu@kali) - [~/Documents]
$ ls -l
total 8
drwxr-xr-x 2 azhagu azhagu 4096 May 30 11:37 Assignment1
-rwxr--r-- 1 azhagu azhagu 33 May 30 12:00 file1.txt

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

File Compression and Archiving:

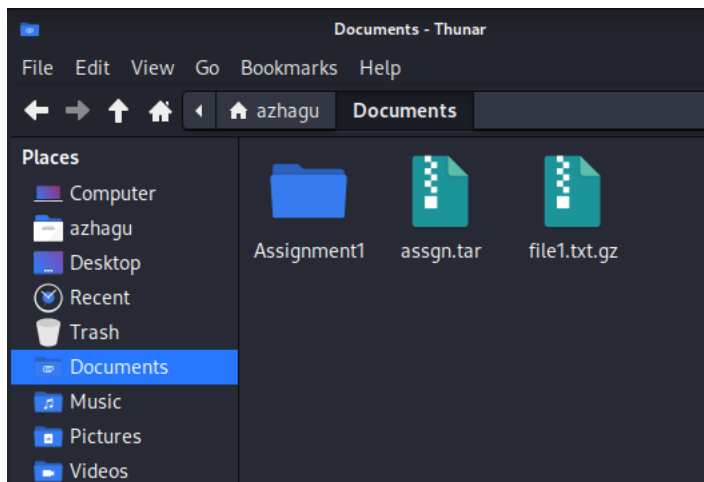
tar: Archive files

```
(azhagu@kali) - [~/Documents]
$ tar -rvf assgn.tar file1.txt
file1.txt
```



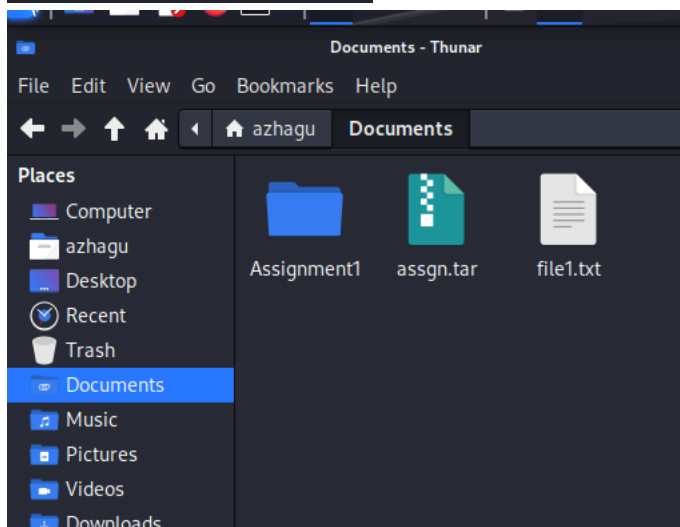
gzip: Compress files

```
(azhagu@kali) - [~/Documents]
$ gzip file1.txt
```



unzip: Extract files from a ZIP archive

```
(azhagu@kali) - [~/Documents]
$ gunzip file1.txt.gz
```



Process Management:

ps: List running processes

```
(azhagu@kali) - [~/Documents]
$ ps
  PID TTY          TIME CMD
 21130 pts/1    00:00:01 zsh
 27855 pts/1    00:00:00 ps

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

top: Display real-time system information and processes

```
(azhagu@kali)-[~/Documents]
$ top
top - 12:22:32 up 54 min, 1 user, load average: 0.11, 0.12, 0.09
Tasks: 183 total, 1 running, 182 sleeping, 0 stopped, 0 zombie
%Cpu(s): 0.5 us, 1.3 sy, 0.0 ni, 98.0 id, 0.0 wa, 0.0 hi, 0.2 si, 0.0 st
MiB Mem : 5896.0 total, 4569.7 free, 1035.0 used, 547.7 buff/cache
MiB Swap: 975.0 total, 975.0 free, 0.0 used. 4860.9 avail Mem

  PID USER      PR  NI    VIRT    RES    SHR S  %CPU  %MEM    TIME+  COMMAND
  819 root        20   0   473636   152060 76764 S   1.0   2.5   0:32.68 Xorg
 1459 azhagu      20   0   292972    28916 21060 S   0.7   0.5   0:08.53 panel-15-genmon
 1158 azhagu      20   0   406500    50048 33716 S   0.3   0.8   0:11.87 xfwm4
 1457 azhagu      20   0   352548    34520 20472 S   0.3   0.6   0:11.50 panel-13-cpugra
 21127 azhagu      20   0   445136   108700 89028 S   0.3   1.8   0:01.62 qterminal
27347 root         0   0         0         0     0 I   0.3   0.0   0:00.01 kworker/0:1-ata_sff
     1 root        20   0   102120    12136  9028 S   0.0   0.2   0:01.04 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 slub_flushwq
     6 root         0 -20         0         0     0 I   0.0   0.0   0:00.00 netns
    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   0:00.15 ksoftirqd/0
    15 root        20   0         0         0     0 I   0.0   0.0   0:01.86 rcu_preempt
    16 root        rt    0         0         0     0 S   0.0   0.0   0:00.02 migration/0
    18 root        20   0         0         0     0 S   0.0   0.0   0:00.00 cpuhp/0
    19 root        20   0         0         0     0 S   0.0   0.0   0:00.00 cpuhp/1
    20 root        rt    0         0         0     0 S   0.0   0.0   0:00.12 migration/1
    21 root        20   0         0         0     0 S   0.0   0.0   0:00.16 ksoftirqd/1
    23 root         0 -20         0         0     0 I   0.0   0.0   0:00.00 kworker/1:0H-events_highpri
    26 root        20   0         0         0     0 S   0.0   0.0   0:00.00 kdevtmpfs
    27 root         0 -20         0         0     0 I   0.0   0.0   0:00.00 inet_frag_wq
    28 root        20   0         0         0     0 S   0.0   0.0   0:00.00 kauditd
    30 root        20   0         0         0     0 S   0.0   0.0   0:00.00 khungtaskd
    31 root        20   0         0         0     0 S   0.0   0.0   0:00.00 oom_reaper
    33 root         0 -20         0         0     0 I   0.0   0.0   0:00.00 writeback
    34 root        20   0         0         0     0 S   0.0   0.0   0:00.20 kcompactd0
    35 root        25   5         0         0     0 S   0.0   0.0   0:00.00 ksmd
    36 root        39  19         0         0     0 S   0.0   0.0   0:00.23 khugepaged
    37 root         0 -20         0         0     0 I   0.0   0.0   0:00.00 kintegrityd
    38 root         0 -20         0         0     0 I   0.0   0.0   0:00.00 kblockd
    39 root         0 -20         0         0     0 I   0.0   0.0   0:00.00 blkcg_punt_bio
```

Kill: Terminate processes

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

```
(azhagu@kali)-[~/Documents]
$ bg
bg: no current job
```

fg: Bring background processes to the foreground

```
(azhagu@kali)-[~/Documents]
$ fg
fg: no current job
```

System Information:

uname: Print system information

```
(azhagu@kali)-[~/Documents]
$ uname
Linux
```

df: Display disk space usage

```
(azhagu@kali)-[~/Documents]
$ df
Filesystem      1K-blocks      Used Available Use% Mounted on
udev            2978184         0    2978184   0% /dev
tmpfs           603752        1408     602344   1% /run
/dev/sda1       23608428 12650276   9733552  57% /
tmpfs           3018740         0    3018740   0% /dev/shm
tmpfs           5120          0        5120   0% /run/lock
tmpfs           603748         88     603660   1% /run/user/1000

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

free: Display memory usage

```
(azhagu@kali)-[~/Documents]
$ free
              total        used        free      shared  buff/cache   available
Mem:        6037484    1076348    4662856       31848     566620    4961136
Swap:        998396           0     998396
```

uptime: Show system uptime

```
(azhagu@kali)-[~/Documents]
$ uptime
12:27:18 up 59 min,  1 user,  load average: 0.18, 0.11, 0.09
```

who: Display logged-in users

```
(azhagu@kali)-[~/Documents]
$ who
azhagu    tty7                2023-05-30 11:28 (:0)
```

w: Display logged-in users and their activities

```
(azhagu@kali)-[~/Documents]
$ w
12:27:23 up 59 min,  1 user,  load average: 0.17, 0.11, 0.09
USER    TTY      FROM              LOGIN@   IDLE   JCPU   PCPU   WHAT
azhagu  tty7     :0                 11:28   58:59  35.70s  0.27s  xfce4-session
```

Networking:

ifconfig: Configure network interfaces

```
(azhagu@kali)-[~]
$ ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
    inet 192.168.245.128 netmask 255.255.255.0  broadcast 192.168.245.255
    inet6 fe80::20c:29ff:fe5e:707d prefixlen 64  scopeid 0x20<link>
    ether 00:0c:29:5e:70:7d  txqueuelen 1000  (Ethernet)
    RX packets 166  bytes 17091 (16.6 KiB)
    RX errors 0  dropped 0  overruns 0  frame 0
    TX packets 59  bytes 6902 (6.7 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 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

(azhagu@kali)-[~]
$
```

ping: Send ICMP echo requests to a network host

```
(azhagu@kali)-[~]
$ ping 172.18.115.95
PING 172.18.115.95 (172.18.115.95) 56(84) bytes of data:
64 bytes from 172.18.115.95: icmp_seq=1 ttl=128 time=1.43 ms
64 bytes from 172.18.115.95: icmp_seq=2 ttl=128 time=1.26 ms
64 bytes from 172.18.115.95: icmp_seq=3 ttl=128 time=1.28 ms
64 bytes from 172.18.115.95: icmp_seq=4 ttl=128 time=0.873 ms
64 bytes from 172.18.115.95: icmp_seq=5 ttl=128 time=1.34 ms
64 bytes from 172.18.115.95: icmp_seq=6 ttl=128 time=1.29 ms
64 bytes from 172.18.115.95: icmp_seq=7 ttl=128 time=1.33 ms
64 bytes from 172.18.115.95: icmp_seq=8 ttl=128 time=1.40 ms
64 bytes from 172.18.115.95: icmp_seq=9 ttl=128 time=1.08 ms
64 bytes from 172.18.115.95: icmp_seq=10 ttl=128 time=1.27 ms
64 bytes from 172.18.115.95: icmp_seq=11 ttl=128 time=1.39 ms
64 bytes from 172.18.115.95: icmp_seq=12 ttl=128 time=1.39 ms
64 bytes from 172.18.115.95: icmp_seq=13 ttl=128 time=1.41 ms
64 bytes from 172.18.115.95: icmp_seq=14 ttl=128 time=1.50 ms
64 bytes from 172.18.115.95: icmp_seq=15 ttl=128 time=1.40 ms
64 bytes from 172.18.115.95: icmp_seq=16 ttl=128 time=1.05 ms
64 bytes from 172.18.115.95: icmp_seq=17 ttl=128 time=1.10 ms
64 bytes from 172.18.115.95: icmp_seq=18 ttl=128 time=1.36 ms
64 bytes from 172.18.115.95: icmp_seq=19 ttl=128 time=1.37 ms
64 bytes from 172.18.115.95: icmp_seq=20 ttl=128 time=1.33 ms
64 bytes from 172.18.115.95: icmp_seq=21 ttl=128 time=1.09 ms
64 bytes from 172.18.115.95: icmp_seq=22 ttl=128 time=1.33 ms
64 bytes from 172.18.115.95: icmp_seq=23 ttl=128 time=1.38 ms
64 bytes from 172.18.115.95: icmp_seq=24 ttl=128 time=1.44 ms
64 bytes from 172.18.115.95: icmp_seq=25 ttl=128 time=1.29 ms
64 bytes from 172.18.115.95: icmp_seq=26 ttl=128 time=1.34 ms
64 bytes from 172.18.115.95: icmp_seq=27 ttl=128 time=1.35 ms
64 bytes from 172.18.115.95: icmp_seq=28 ttl=128 time=1.23 ms
64 bytes from 172.18.115.95: icmp_seq=29 ttl=128 time=1.01 ms
64 bytes from 172.18.115.95: icmp_seq=30 ttl=128 time=1.37 ms
64 bytes from 172.18.115.95: icmp_seq=31 ttl=128 time=1.04 ms
```

```
(azhagu@kali)-[~]
$ ping google.com
PING google.com (142.250.193.142) 56(84) bytes of data:
64 bytes from maa05s25-in-f14.1e100.net (142.250.193.142): icmp_seq=1 ttl=128 time=18.1 ms
64 bytes from maa05s25-in-f14.1e100.net (142.250.193.142): icmp_seq=3 ttl=128 time=19.0 ms
64 bytes from maa05s25-in-f14.1e100.net (142.250.193.142): icmp_seq=4 ttl=128 time=58.2 ms
64 bytes from maa05s25-in-f14.1e100.net (142.250.193.142): icmp_seq=5 ttl=128 time=71.4 ms
64 bytes from maa05s25-in-f14.1e100.net (142.250.193.142): icmp_seq=6 ttl=128 time=12.6 ms
64 bytes from maa05s25-in-f14.1e100.net (142.250.193.142): icmp_seq=8 ttl=128 time=13.0 ms
64 bytes from maa05s25-in-f14.1e100.net (142.250.193.142): icmp_seq=9 ttl=128 time=38.7 ms
64 bytes from maa05s25-in-f14.1e100.net (142.250.193.142): icmp_seq=10 ttl=128 time=57.2 ms
64 bytes from maa05s25-in-f14.1e100.net (142.250.193.142): icmp_seq=11 ttl=128 time=70.0 ms
64 bytes from maa05s25-in-f14.1e100.net (142.250.193.142): icmp_seq=12 ttl=128 time=12.9 ms
64 bytes from maa05s25-in-f14.1e100.net (142.250.193.142): icmp_seq=13 ttl=128 time=24.6 ms
64 bytes from maa05s25-in-f14.1e100.net (142.250.193.142): icmp_seq=14 ttl=128 time=46.0 ms
64 bytes from maa05s25-in-f14.1e100.net (142.250.193.142): icmp_seq=15 ttl=128 time=69.5 ms
64 bytes from maa05s25-in-f14.1e100.net (142.250.193.142): icmp_seq=16 ttl=128 time=14.5 ms
64 bytes from maa05s25-in-f14.1e100.net (142.250.193.142): icmp_seq=17 ttl=128 time=11.2 ms
64 bytes from maa05s25-in-f14.1e100.net (142.250.193.142): icmp_seq=18 ttl=128 time=31.3 ms
64 bytes from maa05s25-in-f14.1e100.net (142.250.193.142): icmp_seq=20 ttl=128 time=62.3 ms
64 bytes from maa05s25-in-f14.1e100.net (142.250.193.142): icmp_seq=21 ttl=128 time=12.6 ms
64 bytes from maa05s25-in-f14.1e100.net (142.250.193.142): icmp_seq=22 ttl=128 time=14.4 ms
64 bytes from maa05s25-in-f14.1e100.net (142.250.193.142): icmp_seq=23 ttl=128 time=28.7 ms
64 bytes from maa05s25-in-f14.1e100.net (142.250.193.142): icmp_seq=24 ttl=128 time=68.3 ms
64 bytes from maa05s25-in-f14.1e100.net (142.250.193.142): icmp_seq=25 ttl=128 time=61.6 ms
64 bytes from maa05s25-in-f14.1e100.net (142.250.193.142): icmp_seq=27 ttl=128 time=12.7 ms
64 bytes from maa05s25-in-f14.1e100.net (142.250.193.142): icmp_seq=29 ttl=128 time=20.7 ms
64 bytes from maa05s25-in-f14.1e100.net (142.250.193.142): icmp_seq=30 ttl=128 time=44.1 ms
64 bytes from maa05s25-in-f14.1e100.net (142.250.193.142): icmp_seq=31 ttl=128 time=62.1 ms
64 bytes from maa05s25-in-f14.1e100.net (142.250.193.142): icmp_seq=33 ttl=128 time=11.8 ms
64 bytes from maa05s25-in-f14.1e100.net (142.250.193.142): icmp_seq=34 ttl=128 time=12.6 ms
```

ssh: Securely connect to a remote system


```
(azhagu@kali)-[~]
$ ssh azhagu@172.18.115.95
ssh: connect to host 172.18.115.95 port 22: Connection refused

(azhagu@kali)-[~]
$ ssh azhagu@172.18.115.10
ssh: connect to host 172.18.115.10 port 22: Connection refused

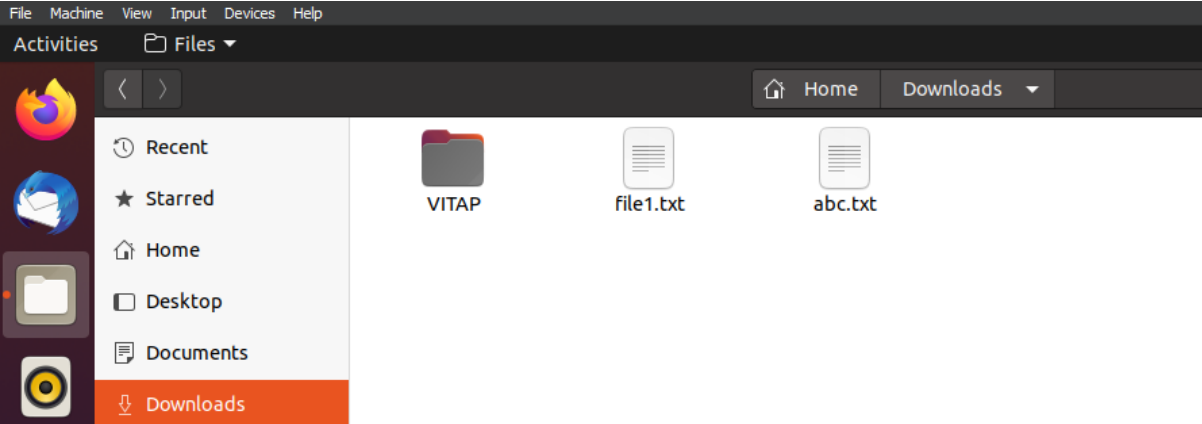
(azhagu@kali)-[~]
$ ssh
usage: ssh [-46AaCfGgKkMnQsTtVvXxYy] [-B bind_interface]
          [-b bind_address] [-c cipher_spec] [-D [bind_address:]port]
          [-E log_file] [-e escape_char] [-F configfile] [-I pkcs11]
          [-i identity_file] [-J [user@]host[:port]] [-L address]
          [-l login_name] [-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 ...]]

(azhagu@kali)-[~]
$ ssh azhagu
ssh: Could not resolve hostname azhagu: Name or service not known
```

scp: Securely copy files between systems

```
(azhagu@kali)-[~]
$ scp file1.txt azhagu@172.18.115.95:/home/azhagu/Downloads
ssh: connect to host 172.18.115.95 port 22: Connection refused
scp: Connection closed

(azhagu@kali)-[~]
$
```



wget: Download files from the web

```
(azhagu@kali)-[~]
$ wget https://downloads.configserver.com/csf.tgz
--2023-05-30 12:53:16-- https://downloads.configserver.com/csf.tgz
Resolving downloads.configserver.com (downloads.configserver.com)... failed: Name or service not known.
wget: unable to resolve host address 'downloads.configserver.com'

(azhagu@kali)-[~]
$
```

System Administration:

sudo: Execute commands with superuser privileges

```

(azhagu@kali)-[~]
$ sudo
usage: sudo -h | -K | -k | -V
usage: sudo -v [-ABKnms] [-g group] [-h host] [-p prompt] [-u user]
usage: sudo -l [-ABKnms] [-g group] [-h host] [-p prompt] [-u user] [command [arg ...]]
usage: sudo [-ABEKnmps] [-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 [-ABKnms] [-r role] [-t type] [-C num] [-D directory] [-g group] [-h host] [-p prompt] [-R directory] [-T timeout] [-u user] file ...

(azhagu@kali)-[~]
$

```

apt-get: Package management for Debian-based distributions

```

(azhagu@kali)-[~]
$ apt-get
apt 2.5.6 (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.

(azhagu@kali)-[~]
$

```

yum: Package management for Red Hat-based distributions

```

(azhagu@kali)-[~]
$ yum
Command 'yum' not found, did you mean:
  command 'vrm' from deb atfs
  command 'vwm' from deb vmware-manager
  command 'vam' from deb vim-addon-manager
  command 'uum' from deb freewnn-jserver
  command 'vmm' from deb vmm
  command 'zum' from deb perforate
  command 'vm' from deb mgetty-voice
  command 'sum' from deb coreutils
  command 'vym' from deb vym
  command 'num' from deb quickcal
Try: sudo apt install <deb name>

(azhagu@kali)-[~]
$

```

systemctl: Manage system services

```

--(azhagu@kali)-[~]
└─$ systemctl
UNIT                                LOAD    ACTIVE SUB    DESCRIPTION
proc-sys-fs-binfmt_misc.automount loaded active running Arbitrary Executable File Formats File System Automount Point
sys-devices-pci0000:00-0000:00:07.1-ata2-host1-target1:0:0-1:0:0:0-block-sr0.device loaded active plugged VMware_Virtual_IDE_CDROM_Drive_VMware_Tools
sys-devices-pci0000:00-0000:00:10.0-host2-target2:0:0-2:0:0:0-block-sda-sda1.device loaded active plugged VMware_Virtual_S_1
sys-devices-pci0000:00-0000:00:10.0-host2-target2:0:0-2:0:0:0-block-sda-sda2.device loaded active plugged VMware_Virtual_S_2
sys-devices-pci0000:00-0000:00:10.0-host2-target2:0:0-2:0:0:0-block-sda-sda5.device loaded active plugged VMware_Virtual_S_5
sys-devices-pci0000:00-0000:00:10.0-host2-target2:0:0-2:0:0:0-block-sda.device loaded active plugged VMware_Virtual_S
sys-devices-pci0000:00-0000:00:11.0-0000:02:01.0-net-eth0.device loaded active plugged 82545EM Gigabit Ethernet Controller (Copper) (PRO/1000 MT Single Port Adapter)
sys-devices-pci0000:00-0000:00:11.0-0000:02:02.0-sound-card0-controlC0.device loaded active plugged /sys/devices/pci0000:00/0000:00:11.0/0000:02:02.0/sound/card0/controlC0
sys-devices-platform-serial8250-tty-ttyS1.device loaded active plugged /sys/devices/platform/serial8250/tty/ttyS1
sys-devices-platform-serial8250-tty-ttyS2.device loaded active plugged /sys/devices/platform/serial8250/tty/ttyS2
sys-devices-platform-serial8250-tty-ttyS3.device loaded active plugged /sys/devices/platform/serial8250/tty/ttyS3
sys-devices-pnp0-00-05-tty-ttyS0.device loaded active plugged /sys/devices/pnp0/00:05/tty/ttyS0
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 82545EM Gigabit Ethernet Controller (Copper) (PRO/1000 MT Single Port Adanper)
~.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 System
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.service
run-credentials-systemd\x2dtmpfiles\x2dsetup\x2ddev.service.mount loaded active mounted /run/credentials/systemd-tmpfiles-setup-dev.service
run-rpc_pipefs.mount loaded active mounted RPC Pipe File System
run-user-1000-gvfs.mount loaded active mounted /run/user/1000/gvfs
run-user-1000.mount loaded active mounted /run/user/1000
run-vmblock\x2dfuse.mount loaded active mounted VMware vmblock fuse mount
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 Directory Watch
systemd-ask-password-wall.path loaded active waiting Forward Password Requests to Wall Directory Watch
init.scope loaded active running System and Service Manager
session-2.scope loaded active running Session 2 of User azhagu
colord.service loaded active running Manage, Install and Generate Color Profiles
console-setup.service loaded active exited Set console font and keymap
cron.service loaded active running Regular background program processing daemon
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 algorithm

```

crontab: Schedule recurring tasks

```

--(azhagu@kali)-[~/Documents]
└─$ crontab -l
no crontab for azhagu

```

useradd: Add a new user

```

--(azhagu@kali)-[~/Documents/Assignment1]
└─$ sudo useradd kali
[sudo] password for azhagu:

--(azhagu@kali)-[~/Documents/Assignment1]
└─$

```

passwd: Change user password

```

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

--(azhagu@kali)-[~/Documents/Assignment1]
└─$

```