

Information Security Management

Lab Assignment 2

Name: Devi Sree Pendyala

1. alias

```
(kali㉿kali)-[~]  
$ mkdir Devisree_pendyala  
  
(kali㉿kali)-[~]  
$ alias cls=clear  
  
(kali㉿kali)-[~]  
$ alias pf="ps -e | grep $1"  
  
(kali㉿kali)-[~]  
$ pf shutter
```

```
(kali㉿kali)-[~]  
$ cat .bash_logout  
# ~/.bash_logout: executed by bash(1) when login shell exits.  
  
# when leaving the console clear the screen to increase privacy  
if [ "$SHLVL" = 1 ]; then  
    [ -x /usr/bin/clear_console ] && /usr/bin/clear_console -q  
fi  
  
(kali㉿kali)-[~]  
$ cat .bashrc | less  
  
(kali㉿kali)-[~]  
$
```

File Actions Edit View Help

```
# ~/.bashrc: executed by bash(1) for non-login shells.
# see /usr/share/doc/bash/examples/startup-files (in the package bash-doc)
# for examples

# If not running interactively, don't do anything
case $- in
    *i*) ;;
    *) return;;
esac

# don't put duplicate lines or lines starting with space in the history.
# See bash(1) for more options
HISTCONTROL=ignoreboth

# append to the history file, don't overwrite it
shopt -s histappend

# for setting history length see HISTSIZE and HISTFILESIZE in bash(1)
HISTSIZE=1000
HISTFILESIZE=2000

# check the window size after each command and, if necessary,
# update the values of LINES and COLUMNS.
shopt -s checkwinsize

# If set, the pattern "**" used in a pathname expansion context will
# match all files and zero or more directories and subdirectories.
#shopt -s globstar

# make less more friendly for non-text input files, see lesspipe(1)
#[ -x /usr/bin/lesspipe ] && eval "$(SHELL=/bin/sh lesspipe)"

# set variable identifying the chroot you work in (used in the prompt below)
if [ -z "${debian_chroot:-}" ] && [ -r /etc/debian_chroot ]; then
    debian_chroot=$(cat /etc/debian_chroot)
fi

# set a fancy prompt (non-color, unless we know we "want" color)
case "$TERM" in
    xterm-color|*-256color) color_prompt=yes;;
esac
```

```
prompt_color='\[\033[32m\]'
info_color='\[\033[34m\]'
prompt_symbol=@
if [ "$UID" -eq 0 ]; then # Change prompt colors for root user
    prompt_color='\[\033[94m\]'
    info_color='\[\033[31m\]'
    # Skull emoji for root terminal
    #prompt_symbol=💀
fi
case "$PROMPT_ALTERNATIVE" in
    twoline)
        PS1="$prompt_color" — ${debian_chroot:+($debian_chroot)} — \[$VIRTUAL_ENV+\[\033[0;1m\]$(basename $VIRTUAL_ENV) $prompt_color\] (" $info_color\u $prompt_symbol \h $prompt_color) - \[\033[0;1m\]\w $prompt_color\] \n $prompt_col
or " \w $info_color \[\033[0m\] " ;;
    oneline)
        PS1="\[$VIRTUAL_ENV+\[$(basename $VIRTUAL_ENV)\] \[$(debian_chroot:+($debian_chroot))\] $info_color \u \h \[\033[0m\]: $prompt_color \[\033[0;1m\] \w \[\033[0m\]\$ " ;;
        backticks)
            PS1="\[$VIRTUAL_ENV+\[$(basename $VIRTUAL_ENV)\] \[$(debian_chroot:+($debian_chroot))\] \[\033[0;1m\]\u \h \[\033[0m\]: \[\033[0;1m\] \w \[\033[0m\]\$ " ;;
esac
unset prompt_color
unset info_color
unset prompt_symbol
for
    PS1="\${debian_chroot:+($debian_chroot)} \u \h: \w \$ "
fi
unset color_prompt force_color_prompt

# If this is an xterm set the title to user@host:dir
case "$TERM" in
    xterm|rxvt|Eterm|aterm|kterm|gnome|alacritty)
        PS1="\[\e]0;\${debian_chroot:+($debian_chroot)} \u \h: \w \a \[$PS1"
        ;;
    *)
        ;;
esac
;;

[ "$NEWLINE_BEFORE_PROMPT" = yes ] && PROMPT_COMMAND="PROMPT_COMMAND=echo"

# enable color support of ls, less and man, and also add handy aliases
if [ -x /usr/bin/dircolors ]; then
    test -r ~/.dircolors && eval "$(dircolors -b ~/.dircolors)" || eval "$(dircolors -b)"
    export LS_COLORS="$LS_COLORS:ow=30;44:" # fix ls color for folders with 777 permissions
```

```

File Actions Edit View Help

alias fgrep='fgrep --color=auto'
alias egrep='egrep --color=auto'
alias diff='diff --color=auto'
alias ip='ip --color=auto'

export LESS_TERMCAP_mb='${E[1;31m}'      # begin blink
export LESS_TERMCAP_md='${E[1;36m}'      # begin bold
export LESS_TERMCAP_me='${E[0m}'         # reset bold/blink
export LESS_TERMCAP_so='${E[01;33m}'     # begin reverse video
export LESS_TERMCAP_se='${E[0m}'         # reset reverse video
export LESS_TERMCAP_us='${E[1;32m}'     # begin underline
export LESS_TERMCAP_ue='${E[0m}'         # reset underline
fi

# colored GCC warnings and errors
#export GCC_COLORS='error=01;31:warning=01;35:note=01;36:caret=01;32:locus=01:quote=01'

# some more ls aliases
alias ll='ls -l'
alias la='ls -A'
alias l='ls -CF'

# Alias definitions.
# You may want to put all your additions into a separate file like
# ~/.bash_aliases, instead of adding them here directly.
# See /usr/share/doc/bash-doc/examples in the bash-doc package.

if [ -f ~/.bash_aliases ]; then
    . ~/.bash_aliases
fi

# enable programmable completion features (you don't need to enable
# this, if it's already enabled in /etc/bash.bashrc and /etc/profile
# sources /etc/bash.bashrc).
if ! shopt -oq posix; then
    if [ -f /usr/share/bash-completion/bash_completion ]; then
        . /usr/share/bash-completion/bash_completion
    elif [ -f /etc/bash_completion ]; then
        . /etc/bash_completion
    fi
fi
(END)

```

3. cd

```

(kali㉿kali)-[~]
$ cd Desktop

(kali㉿kali)-[~/Desktop]
$ cd Devisree_pendyala
cd: no such file or directory: Devisree_pendyala

(kali㉿kali)-[~/Desktop]
$ mkdir Devisree_pendyala

(kali㉿kali)-[~/Desktop]
$ cd Devisree_pendyala

(kali㉿kali)-[~/Desktop/Devisree_pendyala]
$ mkdir work

(kali㉿kali)-[~/Desktop/Devisree_pendyala]
$ cd work

(kali㉿kali)-[~/Desktop/Devisree_pendyala/work]
$ cd /usr/local/bin

(kali㉿kali)-[/usr/local/bin]
$ cd ..

(kali㉿kali)-[/usr/local]
$ cd /usr/local/bin

(kali㉿kali)-[/usr/local/bin]
$ cd ../games

(kali㉿kali)-[/usr/local/games]
$ cd ~

(kali㉿kali)-[~]
$ cd Desktop/Devisree_pendyala

(kali㉿kali)-[~/Desktop/Devisree_pendyala]
$

```

4. Curl

```

(kali㉿kali)-[~/Desktop/Devisree_pendyala]
$ sudo apt-get install curl
[sudo] password for kali:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
curl is already the newest version (8.9.1-2).
curl set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 910 not upgraded.

```

```

(kali㉿kali)-[~/Desktop/Devisree_pendyala]
$ cd ~

(kali㉿kali)-[~]
$ curl https://raw.githubusercontent.com/torvalds/linux/master/kernel/events/core.c -o core.c
  % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left   Speed
100 343k 100 343k    0     0 1579k      0 --:--:-- --:--:-- --:--:-- 1584k

```



```
(kali㉿kali)-[~]
$ curl -s https://raw.githubusercontent.com/torvalds/linux/master/kernel/events/core.c -o core.c

(kali㉿kali)-[~]
$ ls -l core.c
-rw-rw-r-- 1 kali kali 352005 Sep 29 21:23 core.c
```

5. Df

```
(kali㉿kali)-[~]
$ cd Desktop/Devisree_pendyala

(kali㉿kali)-[~/Desktop/Devisree_pendyala]
$ df -h -x squashfs
Filesystem      Size  Used Avail Use% Mounted on
udev            946M   0    946M   0% /dev
tmpfs           198M  960K   197M   1% /run
/dev/sda1       79G   15G   61G   20% /
tmpfs           988M   0    988M   0% /dev/shm
tmpfs           5.0M   0    5.0M   0% /run/lock
tmpfs           1.0M   0    1.0M   0% /run/credentials/systemd-journald.service
tmpfs           1.0M   0    1.0M   0% /run/credentials/systemd-udev-load-credentials.service
tmpfs           1.0M   0    1.0M   0% /run/credentials/systemd-tmpfiles-setup-dev-early.service
tmpfs           1.0M   0    1.0M   0% /run/credentials/systemd-sysctl.service
tmpfs           1.0M   0    1.0M   0% /run/credentials/systemd-tmpfiles-setup-dev.service
tmpfs           988M  76K   988M   1% /tmp
tmpfs           1.0M   0    1.0M   0% /run/credentials/systemd-tmpfiles-setup.service
tmpfs           1.0M   0    1.0M   0% /run/credentials/getty@tty1.service
tmpfs           198M  124K   198M   1% /run/user/1000

(kali㉿kali)-[~/Desktop/Devisree_pendyala]
$
```

6. Diff

```
(kali㉿kali)-[~/Desktop/Devisree_pendyala]
$ nano alpha1.txt

(kali㉿kali)-[~/Desktop/Devisree_pendyala]
$ nano alpha2.txt

(kali㉿kali)-[~/Desktop/Devisree_pendyala]
$ diff -y -w 70 alpha1.txt alpha2.txt --suppress-common-lines
diff: extra operand 'alpha2.txt'
diff: Try 'diff --help' for more information.

(kali㉿kali)-[~/Desktop/Devisree_pendyala]
$ diff -y -W 70 alpha1.txt alpha2.txt --suppress-common-lines
Devisree      | Siri
Pendyala      | information systems and techno
               > university of north texas
               > 2025 Dec Passout
               > Information system security
```

7. echo

```
(kali㉿kali)-[~/Desktop/Devisree_pendyala]
$ echo A String of text
A String of text

(kali㉿kali)-[~/Desktop/Devisree_pendyala]
$ echo $USER
kali

(kali㉿kali)-[~/Desktop/Devisree_pendyala]
$ echo $HOME
/home/kali

(kali㉿kali)-[~/Desktop/Devisree_pendyala]
$ echo $PATH
/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/local/games:/usr/games
```

```
(kali㉿kali)-[~/Desktop/Devisree_pendyala]
$ echo -e "\a"
-e
```

8. find

```
(kali㉿kali)-[~/Desktop/Devisree_pendyala]
$ find . -name *alpha2*
./alpha2.txt

(kali㉿kali)-[~/Desktop/Devisree_pendyala]
$ find . -type f -name *alpha1*

(kali㉿kali)-[~/Desktop/Devisree_pendyala]
$ find . -iname *alpha2*
./alpha2.txt

(kali㉿kali)-[~/Desktop/Devisree_pendyala]
$ find . -iname *alpha1*
./alpha1.txt
```

9. Finger

```
(kali㉿kali)-[~/Desktop/Devisree_pendyala]
$ finger kali
Login: kali                                Name:
Directory: /home/kali                      Shell: /usr/bin/zsh
On since Sun Sep 29 19:55 (EDT) on tty7 from :0
      2 hours 19 minutes idle
No mail.
No Plan.
```

10. free

```
(kali㉿kali)-[~/Desktop/Devisree_pendyala]
$ free -h
```

	total	used	free	shared	buff/cache	available
Mem:	1.9Gi	747Mi	542Mi	21Mi	889Mi	1.2Gi
Swap:	1.0Gi	0B	1.0Gi			

11. groups

```
(kali㉿kali)-[~/Desktop/Devisree_pendyala]
$ groups kali
kali : kali adm dialout cdrom floppy sudo audio dip video plugdev users netdev bluetooth scanner wireshark kaboxer vboxsf
```

12. gzip

```
(kali㉿kali)-[~/Desktop/Devisree_pendyala]
$ cd ~

(kali㉿kali)-[~]
$ gzip -k core.c

(kali㉿kali)-[~]
$ ls -l core*
-rw-rw-r-- 1 kali kali 352005 Sep 29 21:23 core.c
-rw-rw-r-- 1 kali kali  87862 Sep 29 21:23 core.c.gz
```

13. head

```
(kali㉿kali)-[~]
$ head core.c
// SPDX-License-Identifier: GPL-2.0
/*
 * Performance events core code:
 *
 * Copyright (C) 2008 Thomas Gleixner <tglx@linutronix.de>
 * Copyright (C) 2008-2011 Red Hat, Inc., Ingo Molnar
 * Copyright (C) 2008-2011 Red Hat, Inc., Peter Zijlstra
 * Copyright © 2009 Paul Mackerras, IBM Corp. <paulus@au1.ibm.com>
 */

(kali㉿kali)-[~]
$ head -n 5 core.c
// SPDX-License-Identifier: GPL-2.0
/*
 * Performance events core code:
 *
 * Copyright (C) 2008 Thomas Gleixner <tglx@linutronix.de>
```

14. less

```
(kali㉿kali)-[~]
$ less core.c
```

```
// SPDX-License-Identifier: GPL-2.0
/*
 * Performance events core code:
 *
 * Copyright (C) 2008 Thomas Gleixner <tglx@linutronix.de>
 * Copyright (C) 2008-2011 Red Hat, Inc., Ingo Molnar
 * Copyright (C) 2008-2011 Red Hat, Inc., Peter Zijlstra
 * Copyright © 2009 Paul Mackerras, IBM Corp. <paulus@au1.ibm.com>
 */

File System
#include <linux/fs.h>
#include <linux/mm.h>
#include <linux/cpu.h>
#include <linux/smp.h>
#include <linux/idr.h>
#include <linux/file.h>
#include <linux/poll.h>
#include <linux/slab.h>
#include <linux/hash.h>
#include <linux/tick.h>
#include <linux/sysfs.h>
#include <linux/dcache.h>
#include <linux/percpu.h>
#include <linux/ptrace.h>
#include <linux/reboot.h>
#include <linux/vmstat.h>
#include <linux/device.h>
#include <linux/export.h>
#include <linux/vmalloc.h>
#include <linux/hardirq.h>
#include <linux/hugetlb.h>
#include <linux/rculist.h>
#include <linux/uaccess.h>
#include <linux/syscalls.h>
#include <linux/anon_inodes.h>
#include <linux/kernel_stat.h>
#include <linux/cgroup.h>
#include <linux/perf_event.h>
#include <linux/trace_events.h>
#include <linux/hw_breakpoint.h>
#include <linux/mm_types.h>
:█
```

```
(kali@kali)-[~]
$ ls -R / | less █
```



```
dev
etc
home
initrd.img
initrd.img.old
lib
lib32
lib64
lost+found
media
mnt
opt
proc
root
run
sbin
srv
swapfile
sys
tmp
usr
var
vmlinuz
vmlinuz.old

/boot:
config-6.8.11-amd64
grub
initrd.img-6.8.11-amd64
System.map-6.8.11-amd64
vmlinuz-6.8.11-amd64

/boot/grub:
fonts
grub.cfg
grubenv
i386-pc
locale
themes
unicode.pf2

:
```

15. ls

```
(kali㉿kali)-[~]
$ ls
core.c  core.c.gz  Desktop  Documents  Downloads  Music  Pictures  Public  Templates  Videos

(kali㉿kali)-[~]
$ ls -l
total 464
-rw-rw-r-- 1 kali kali 352005 Sep 29 21:23 core.c
-rw-rw-r-- 1 kali kali 87862 Sep 29 21:23 core.c.gz
drwxr-xr-x 3 kali kali 4096 Sep 29 21:14 Desktop
drwxr-xr-x 2 kali kali 4096 Sep 21 20:23 Documents
drwxr-xr-x 2 kali kali 4096 Sep 21 20:23 Downloads
drwxr-xr-x 2 kali kali 4096 Sep 21 20:23 Music
drwxr-xr-x 2 kali kali 4096 Sep 29 21:11 Pictures
drwxr-xr-x 2 kali kali 4096 Sep 21 20:23 Public
drwxr-xr-x 2 kali kali 4096 Sep 21 20:23 Templates
drwxr-xr-x 2 kali kali 4096 Sep 21 20:23 Videos
```

16. man

```
(kali@kali)-[~]
$ man chown
```

```
CHOWN(1)                                User Commands                                CHOWN(1)

NAME
    chown - change file owner and group

SYNOPSIS
    chown [OPTION]... [OWNER]][:[GROUP]] FILE...
    chown [OPTION]... --reference=RFILE FILE...

DESCRIPTION
    This manual page documents the GNU version of chown. chown changes the user and/or group ownership of each given file. If only an owner (a user name or numeric user ID) is given, that user is made the owner of each given file, and the files' group is not changed. If the owner is followed by a colon and a group name (or numeric group ID), with no spaces between them, the group ownership of the files is changed as well. If a colon but no group name follows the user name, that user is made the owner of the files and the group of the files is changed to that user's login group. If the colon and group are given, but the owner is omitted, only the group of the files is changed; in this case, chown performs the same function as chgrp. If only a colon is given, or if the entire operand is empty, neither the owner nor the group is changed.

OPTIONS
    Change the owner and/or group of each FILE to OWNER and/or GROUP. With --reference, change the owner and group of each FILE to those of RFILE.

    -c, --changes
        like verbose but report only when a change is made

    -f, --silent, --quiet
        suppress most error messages

    -v, --verbose
        output a diagnostic for every file processed

    --dereference
        affect the referent of each symbolic link (this is the default), rather than the symbolic link itself

    -h, --no-dereference
        affect symbolic links instead of any referenced file (useful only on systems that can change the ownership of a symlink)

    --from=CURRENT_OWNER:CURRENT_GROUP
        change the owner and/or group of each file only if its current owner and/or group match those specified here. Either may be omitted, in which case a match is not required for the omitted attribute

Manual page chown(1) line 1 (press h for help or q to quit)
```

17. mkdir

```
(kali@kali)-[~]
$ mkdir invoices

(kali@kali)-[~]
$ mkdir quotes

(kali@kali)-[~]
$ ls -al
total 628
drwx----- 17 kali kali    4096 Sep 29 22:34 .
drwxr-xr-x  3 root root    4096 Aug 18 15:57 ..
-rw-r--r--  1 kali kali    220 Aug 18 15:57 .bash_logout
-rw-r--r--  1 kali kali   5551 Aug 18 15:57 .bashrc
-rw-r--r--  1 kali kali   3526 Aug 18 15:57 .bashrc.original
drwxrwxr-x  9 kali kali    4096 Sep 29 19:55 .cache
drwxr-xr-x 13 kali kali    4096 Sep 21 22:52 .config
-rw-rw-r--  1 kali kali  352005 Sep 29 21:23 core.c
-rw-rw-r--  1 kali kali  87862 Sep 29 21:23 core.c.gz
drwxr-xr-x  3 kali kali    4096 Sep 29 21:14 Desktop
-rw-r--r--  1 kali kali     35 Sep 21 20:23 .dmrc
drwxr-xr-x  2 kali kali    4096 Sep 21 20:23 Documents
drwxr-xr-x  2 kali kali    4096 Sep 21 20:23 Downloads
-rw-r--r--  1 kali kali  11759 Aug 18 15:57 .face
lrwxrwxrwx  1 kali kali      5 Aug 18 15:57 .face.icon → .face
drwx-----  3 kali kali    4096 Sep 21 20:23 .gnupg
-rw-----  1 kali kali      0 Sep 21 20:23 .ICEauthority
drwxrwxr-x  2 kali kali    4096 Sep 29 22:33 invoices
drwxr-xr-x  3 kali kali    4096 Aug 18 15:57 .java
drwxr-xr-x  4 kali kali    4096 Sep 21 20:23 .local
drwxr-xr-x  2 kali kali    4096 Sep 21 20:23 Music
drwxr-xr-x  2 kali kali    4096 Sep 29 21:11 Pictures
-rw-r--r--  1 kali kali    807 Aug 18 15:57 .profile
drwxr-xr-x  2 kali kali    4096 Sep 21 20:23 Public
drwxrwxr-x  2 kali kali    4096 Sep 29 22:34 quotes
-rw-r--r--  1 kali kali      0 Sep 21 23:17 .sudo_as_admin_successful
drwxr-xr-x  2 kali kali    4096 Sep 21 20:23 Templates
-rw-r-----  1 kali kali      5 Sep 29 19:55 .vboxclient-clipboard-tty7-control.pid
-rw-r-----  1 kali kali      5 Sep 29 19:55 .vboxclient-clipboard-tty7-service.pid
```

```

drwxr-xr-x 2 kali kali 4096 Sep 21 20:23 Music
drwxr-xr-x 2 kali kali 4096 Sep 29 21:11 Pictures
-rw-r--r-- 1 kali kali 807 Aug 18 15:57 .profile
drwxr-xr-x 2 kali kali 4096 Sep 21 20:23 Public
drwxrwxr-x 2 kali kali 4096 Sep 29 22:34 quotes
-rw-r--r-- 1 kali kali 0 Sep 21 23:17 .sudo_as_admin_successful
drwxr-xr-x 2 kali kali 4096 Sep 21 20:23 Templates
-rw-r----- 1 kali kali 5 Sep 29 19:55 .vboxclient-clipboard-tty7-control.pid
-rw-r----- 1 kali kali 5 Sep 29 19:55 .vboxclient-clipboard-tty7-service.pid
-rw-r----- 1 kali kali 5 Sep 29 19:55 .vboxclient-display-svgx-x11-tty7-control.pid
-rw-r----- 1 kali kali 5 Sep 29 19:55 .vboxclient-display-svgx-x11-tty7-service.pid
-rw-r----- 1 kali kali 5 Sep 29 19:55 .vboxclient-draganddrop-tty7-control.pid
-rw-r----- 1 kali kali 5 Sep 29 19:55 .vboxclient-draganddrop-tty7-service.pid
-rw-r----- 1 kali kali 5 Sep 29 19:55 .vboxclient-hostversion-tty7-control.pid
-rw-r----- 1 kali kali 5 Sep 29 19:55 .vboxclient-seamless-tty7-control.pid
-rw-r----- 1 kali kali 5 Sep 29 19:55 .vboxclient-seamless-tty7-service.pid
-rw-r----- 1 kali kali 5 Sep 29 19:55 .vboxclient-vmvga-session-tty7-control.pid
drwxr-xr-x 2 kali kali 4096 Sep 21 20:23 Videos
-rw-r----- 1 kali kali 904 Sep 21 22:52 .viminfo
-rw-r----- 1 kali kali 49 Sep 29 19:55 .Xauthority
-rw-r----- 1 kali kali 15392 Sep 29 22:32 .xsession-errors
-rw-r----- 1 kali kali 9595 Sep 22 00:02 .xsession-errors.old
-rw-r----- 1 kali kali 2164 Sep 29 21:55 .zsh_history
-rw-r--r-- 1 kali kali 10868 Aug 18 15:57 .zshrc

```

```

(kali@kali)-[~]
$ mkdir invoices/2109

(kali@kali)-[~]
$ mkdir -p quotes/yearly/2019

```

18. mv

```

(kali@kali)-[~]
$ cd Desktop/Devisree_pendyala

(kali@kali)-[~/Desktop/Devisree_pendyala]
$ mv alpha1.txt ~Desktop

(kali@kali)-[~/Desktop/Devisree_pendyala]
$ ls -l
total 12
-rw-rw-r-- 1 kali kali 114 Sep 29 21:59 alpha2.txt
-rw-rw-r-- 1 kali kali 19 Sep 29 21:57 '~Desktop'
drwxrwxr-x 2 kali kali 4096 Sep 29 21:14 work

```

19. passwd

```

(kali@kali)-[~/Desktop/Devisree_pendyala]
$ sudo passwd kali
[sudo] password for kali:
New password:
Retype new password:
passwd: password updated successfully

```

20. ping

```
(kali㉿kali)-[~/Desktop/Devisree_pendyala]
$ ping 192.168.56.1
PING 192.168.56.1 (192.168.56.1) 56(84) bytes of data.
64 bytes from 192.168.56.1: icmp_seq=1 ttl=127 time=0.634 ms
64 bytes from 192.168.56.1: icmp_seq=2 ttl=127 time=0.576 ms
64 bytes from 192.168.56.1: icmp_seq=3 ttl=127 time=0.576 ms
64 bytes from 192.168.56.1: icmp_seq=4 ttl=127 time=0.591 ms
64 bytes from 192.168.56.1: icmp_seq=5 ttl=127 time=0.532 ms
64 bytes from 192.168.56.1: icmp_seq=6 ttl=127 time=0.503 ms
64 bytes from 192.168.56.1: icmp_seq=7 ttl=127 time=0.639 ms
64 bytes from 192.168.56.1: icmp_seq=8 ttl=127 time=0.534 ms
64 bytes from 192.168.56.1: icmp_seq=9 ttl=127 time=0.563 ms
64 bytes from 192.168.56.1: icmp_seq=10 ttl=127 time=0.572 ms
64 bytes from 192.168.56.1: icmp_seq=11 ttl=127 time=0.530 ms
64 bytes from 192.168.56.1: icmp_seq=93 ttl=127 time=0.535 ms
64 bytes from 192.168.56.1: icmp_seq=94 ttl=127 time=1.12 ms
^C
— 192.168.56.1 ping statistics —
94 packets transmitted, 94 received, 0% packet loss, time 95166ms
rtt min/avg/max/mdev = 0.503/0.580/1.118/0.067 ms
```

21. ps

```
(kali㉿kali)-[~/Desktop/Devisree_pendyala]
$ ps
  PID TTY          TIME CMD
 61135 pts/0        00:00:03 zsh
 86090 pts/0        00:00:00 ps

(kali㉿kali)-[~/Desktop/Devisree_pendyala]
$ ps -u dave | less

(kali㉿kali)-[~/Desktop/Devisree_pendyala]
$ ps -e | less
```


PID	TTY	TIME	CMD
1	?	00:00:00	systemd
2	?	00:00:00	kthreadd
3	?	00:00:00	pool_workqueue_release
4	?	00:00:00	kworker/R-rcu_g
5	?	00:00:00	kworker/R-rcu_p
6	?	00:00:00	kworker/R-slub_
7	?	00:00:00	kworker/R-netns
12	?	00:00:00	kworker/R-mm_pe
13	?	00:00:00	rcu_tasks_kthread
14	?	00:00:00	rcu_tasks_rude_kthread
15	?	00:00:00	rcu_tasks_trace_kthread
16	?	00:00:00	ksoftirqd/0
17	?	00:00:00	rcu_preempt
18	?	00:00:00	migration/0
19	?	00:00:00	idle_inject/0
20	?	00:00:00	cpuhp/0
21	?	00:00:00	cpuhp/1
22	?	00:00:00	idle_inject/1
23	?	00:00:00	migration/1
24	?	00:00:00	ksoftirqd/1
26	?	00:00:00	kworker/1:0H-events_highpri
30	?	00:00:00	kworker/u6:1-flush-8:0
31	?	00:00:00	kdevtmpfs
32	?	00:00:00	kworker/R-inet_
33	?	00:00:00	kauditd
35	?	00:00:00	khungtaskd
36	?	00:00:00	oom_reaper
37	?	00:00:00	kworker/R-write
38	?	00:00:00	kcompactd0
39	?	00:00:00	ksmd
41	?	00:00:00	khugepaged
42	?	00:00:00	kworker/R-kinte
43	?	00:00:00	kworker/R-kbloc
44	?	00:00:00	kworker/R-blkcg
45	?	00:00:00	irq/9-acpi
46	?	00:00:00	kworker/R-tpm_d
47	?	00:00:00	kworker/R-edac-
48	?	00:00:00	kworker/R-devfr
49	?	00:00:00	kworker/1:1H-kblockd
50	?	00:00:00	kswapd0

22. pwd

```
(kali@kali)-[~/Desktop/Devisree_pendyala]
$ pwd
/home/kali/Desktop/Devisree_pendyala
```

23. uname

```
(kali㉿kali)-[~/Desktop/Devisree_pendyala]
$ uname -a
Linux kali 6.8.11-amd64 #1 SMP PREEMPT_DYNAMIC Kali 6.8.11-1kali2 (2024-05-30) x86_64 GNU/Linux

(kali㉿kali)-[~/Desktop/Devisree_pendyala]
$ uname -s
Linux

(kali㉿kali)-[~/Desktop/Devisree_pendyala]
$ uname -r
6.8.11-amd64

(kali㉿kali)-[~/Desktop/Devisree_pendyala]
$ uname -v
#1 SMP PREEMPT_DYNAMIC Kali 6.8.11-1kali2 (2024-05-30)
```

24. w

```
(kali㉿kali)-[~/Desktop/Devisree_pendyala]
$ w
 22:55:00 up  2:59,  2 users,  load average: 0.12, 0.04, 0.01
USER      TTY      FROM          LOGIN@   IDLE   JCPU   PCPU WHAT
kali      -        -             19:55    2:59m  0.00s  0.14s /usr/lib/systemd/systemd --user
kali      -        -             19:55    2:59m  0.00s  0.03s lightdm --session-child 13 24
```

25. whoami

```
(kali㉿kali)-[~/Desktop/Devisree_pendyala]
$ whoami
kali
```

26. top

```
(kali㉿kali)-[~/Desktop/Devisree_pendyala]
$ top
top - 22:57:12 up 3:01, 2 users, load average: 0.01, 0.02, 0.00
Tasks: 159 total, 1 running, 158 sleeping, 0 stopped, 0 zombie
%Cpu(s): 1.7 us, 0.5 sy, 0.0 ni, 96.6 id, 1.2 wa, 0.0 hi, 0.0 si, 0.0 st
MiB Mem : 1974.6 total, 492.6 free, 791.6 used, 895.8 buff/cache
MiB Swap: 1024.0 total, 1024.0 free, 0.0 used. 1183.0 avail Mem
```

PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND
687	root	20	0	487880	152520	71020	S	2.7	7.5	1:37.30	Xorg
61132	kali	20	0	457996	101044	87268	S	0.7	5.0	0:16.36	qterminal
91091	kali	20	0	9204	5120	3072	R	0.7	0.3	0:00.03	top
1	root	20	0	22392	13788	10316	S	0.0	0.7	0:00.99	systemd
2	root	20	0	0	0	0	S	0.0	0.0	0:00.00	kthreadd
3	root	20	0	0	0	0	S	0.0	0.0	0:00.00	pool_workqueue_release
4	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kworker/R-rcu_g
5	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kworker/R-rcu_p
6	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kworker/R-slab_
7	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kworker/R-netns
12	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kworker/R-mm_pe
13	root	20	0	0	0	0	I	0.0	0.0	0:00.00	rcu_tasks_kthread
14	root	20	0	0	0	0	I	0.0	0.0	0:00.00	rcu_tasks_rude_kthread
15	root	20	0	0	0	0	I	0.0	0.0	0:00.00	rcu_tasks_trace_kthread
16	root	20	0	0	0	0	S	0.0	0.0	0:00.37	ksoftirqd/0
17	root	20	0	0	0	0	I	0.0	0.0	0:00.81	rcu_preempt
18	root	rt	0	0	0	0	S	0.0	0.0	0:00.08	migration/0
19	root	-51	0	0	0	0	S	0.0	0.0	0:00.00	idle_inject/0
20	root	20	0	0	0	0	S	0.0	0.0	0:00.00	cpuhp/0
21	root	20	0	0	0	0	S	0.0	0.0	0:00.00	cpuhp/1
22	root	-51	0	0	0	0	S	0.0	0.0	0:00.00	idle_inject/1
23	root	rt	0	0	0	0	S	0.0	0.0	0:00.20	migration/1
24	root	20	0	0	0	0	S	0.0	0.0	0:00.39	ksoftirqd/1
26	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kworker/1:0H-events_highpri
30	root	20	0	0	0	0	I	0.0	0.0	0:00.75	kworker/u6:1-flush-8:0
31	root	20	0	0	0	0	S	0.0	0.0	0:00.00	kdevtmpfs
32	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kworker/R-inet_
33	root	20	0	0	0	0	S	0.0	0.0	0:00.00	kauditd
35	root	20	0	0	0	0	S	0.0	0.0	0:00.00	khungtaskd

27. tail

```
(kali㉿kali)-[~/Desktop/Devisree_pendyala]
$ tail alpha2.txt
Siri
information systems and technologies
university of north texas
2025 Dec Passout
Information system security
```

28. history

```
(kali㉿kali)-[~/Desktop/Devisree_pendyala]
$ !39

(kali㉿kali)-[~/Desktop/Devisree_pendyala]
$ cd Desktop/Devisree_pendyala
```

29. grep

```
(kali㉿kali)-[~/Desktop/Devisree_pendyala]
$ grep Siri *.txt
Siri

(kali㉿kali)-[~/Desktop/Devisree_pendyala]
$ grep university *.txt
university of north texas
```

30. shutdown

```
(kali㉿kali)-[~/Desktop/Devisree_pendyala]
$ shutdown 2:00 Shutdown tonight at 2:00, save your work and log our before then!
Shutdown scheduled for Tue 2024-10-01 02:00:00 EDT, use 'shutdown -c' to cancel.

(kali㉿kali)-[~/Desktop/Devisree_pendyala]
$ shutdown
Shutdown scheduled for Mon 2024-09-30 20:20:58 EDT, use 'shutdown -c' to cancel.

(kali㉿kali)-[~/Desktop/Devisree_pendyala]
$ shutdown now
```