

Lab Assignment – 2

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1.pf

```
File Actions Edit View Help
(kali@kali)-[~]
$ alias cls=clear

(kali@kali)-[~]
$ alias pf="ps -elgrep $1"

(kali@kali)-[~]
$ pf shutter
```

2. cat

```
(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
```



```
# 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

# uncomment for a colored prompt, if the terminal has the capability; turned
# off by default to not distract the user: the focus in a terminal window
# should be on the output of commands, not on the prompt
force_color_prompt=yes

if [ -n "$force_color_prompt" ]; then
    if [ -x /usr/bin/tput ] && tput setaf 1 >&/dev/null; then
        # We have color support; assume it's compliant with Ecma-48
        # (ISO/IEC-6429). (Lack of such support is extremely rare, and such
        # a case would tend to support setf rather than setaf.)
        color_prompt=yes
    else
        color_prompt=
    fi
fi

# The following block is surrounded by two delimiters.
# These delimiters must not be modified. Thanks.
# START KALI CONFIG VARIABLES
PROMPT_ALTERNATIVE=twoline
NEWLINE_BEFORE_PROMPT=yes
# STOP KALI CONFIG VARIABLES

if [ "$color_prompt" = yes ]; then
    # override default virtualenv indicator in prompt
    VIRTUAL_ENV_DISABLE_PROMPT=1

    prompt_color='\[\033[32m\]'
    info_color='\[\033[1;34m\]'
    prompt_symbol=☉
    if [ "$EUID" -eq 0 ]; then # Change prompt colors for root user
```

```

    prompt_color='\[\033[34m\]'
    info_color='\[\033[31m\]'
    # Skull emoji for root terminal
    #prompt_symbol=💀
fi

case "$PROMPT_ALTERNATIVE" in
    twoline)
        PS1=${prompt_color}---${debian_chroot:+($debian_chroot)}---${VIRTUAL_ENV:+($VIRTUAL_ENV)}${prompt_color}}('${info_color}'\u${prompt_symbol}'\h${prompt_color}')-[\[\033[01m\]'w'${prompt_color}']n${prompt_color}
        L_${info_color}'${\[\033[0m\]} ';;
        oneline)
            PS1='${VIRTUAL_ENV:+($VIRTUAL_ENV)} ${debian_chroot:+($debian_chroot)}${info_color}'\u\h[\[\033[00m\]]'${prompt_color}'[\[\033[01m\]'w'[\[\033[00m\]]$ ';;
            backtrack)
                PS1='${VIRTUAL_ENV:+($VIRTUAL_ENV)} ${debian_chroot:+($debian_chroot)}[\[\033[01;31m\]'w\h[\[\033[00m\]]:\[\033[01;34m\]'w'[\[\033[00m\]]$ ';;
esac
unset prompt_color
unset info_color
unset prompt_symbol
#
PS1='${debian_chroot:+($debian_chroot)}\u\h:\w$ '
et color_prompt force_color_prompt

if this is an xterm set the title to user@host:dir
so "$TERM" in
rmsh|rvst|Eterm|aterm|kterm|gnome|alacrity)
    PS1='\[\033[01;34m\]'${debian_chroot:+($debian_chroot)}\u\h: \w\${PS1}
    ;;
;;
c
$NEWLINE_BEFORE_PROMPT = yes ] && PROMPT_COMMAND="PROMPT_COMMAND=echo"

# enable color support of ls, less and man, and also add handy aliases
[ -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

alias ls='ls --color=auto'
alias dir='dir --color=auto'
alias vdir='vdir --color=auto'

alias grep='grep --color=auto'
alias fgrep='fgrep --color=auto'
alias egrep='egrep --color=auto'
```

```

alias grep='grep --color=auto'
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
fi
(END)

```

3. cd

```

File  Actions  Edit  View  Help
(kali@kali)-[~]
$ cd Desktop

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

(kali@kali)-[~/Desktop/Supriya_Bollineni]
$ mkdir work

```

```

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

(kali㉿kali)-[~/Desktop/Supriya_Bollineni/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/Supriya_Bollineni

```

4.curl

```

File Actions Edit View Help
(kali㉿kali)-[~/Desktop/Supriya_Bollineni]
$ sudo apt-get install curl
[sudo] password for kali:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  libcurl3t64-gnutls libcurl4t64
The following packages will be upgraded:
  curl libcurl3t64-gnutls libcurl4t64
3 upgraded, 0 newly installed, 0 to remove and 981 not upgraded.
Need to get 1,299 kB of archives.
After this operation, 81.9 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:3 http://kali.download/kali kali-rolling/main amd64 libcurl4t64 amd64 8.9.1-2 [463 kB]
Get:1 http://mirrors.ocf.berkeley.edu/kali kali-rolling/main amd64 curl amd64 8.9.1-2 [366 kB]
Get:2 http://mirrors.ocf.berkeley.edu/kali kali-rolling/main amd64 libcurl3t64-gnutls amd64 8.9.1-2 [470 kB]
Fetched 1,299 kB in 1s (1,806 kB/s)
Reading database ... 395773 files and directories currently installed.)
Preparing to unpack .../curl.8.9.1-2.amd64.deb ...
Unpacking curl (8.9.1-2) over (8.8.0-4) ...
Preparing to unpack .../libcurl3t64-gnutls.8.9.1-2.amd64.deb ...
Unpacking libcurl3t64-gnutls:amd64 (8.9.1-2) over (8.8.0-4) ...
Preparing to unpack .../libcurl4t64.8.9.1-2.amd64.deb ...
Unpacking libcurl4t64:amd64 (8.9.1-2) over (8.8.0-4) ...
Setting up libcurl4t64:amd64 (8.9.1-2) ...
Setting up libcurl3t64-gnutls:amd64 (8.9.1-2) ...
Setting up curl (8.9.1-2) ...
Processing triggers for libc-bin (2.38-13) ...
Processing triggers for man-db (2.12.1-2) ...
Processing triggers for kali-menu (2024.3.1) ...

(kali㉿kali)-[~/Desktop/Supriya_Bollineni]
$ 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  678k      0 --:--:-- --:--:-- --:--:-- 679k

```

```

(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 28 22:38 core.c

```

5. df

```
File Actions Edit View Help
(kali@kali)-[~]
$ cd Desktop/Supriya_Bollineni

(kali@kali)-[~/Desktop/Supriya_Bollineni]
$ df -h -x squashfs
Filesystem      Size  Used Avail Use% Mounted on
udev            946M   0    946M   0% /dev
tmpfs           198M  968K   197M   1% /run
/dev/sda1       79G    15G   60G   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           988M  8.0K   988M   1% /tmp
tmpfs           1.0M   0    1.0M   0% /run/credentials/systemd-tmpfiles-setup-dev.service
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
```

6. diff

```
(kali@kali)-[~/Desktop/Supriya_Bollineni]
$ nano alpha1.txt

(kali@kali)-[~/Desktop/Supriya_Bollineni]
$ nano alpha2.txt

(kali@kali)-[~/Desktop/Supriya_Bollineni]
$ diff -y -W 70 --suppress-common-lines alpha1.txt alpha2.txt
Supriya | Information systems and techno
University of north texas | Denton Texas
```

7.echo

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

(kali@kali)-[~/Desktop/Supriya_Bollineni]
$ echo $USER
kali

(kali@kali)-[~/Desktop/Supriya_Bollineni]
$ echo $HOME
/home/kali

(kali@kali)-[~/Desktop/Supriya_Bollineni]
$ echo $PATH
/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/local/games:/usr/games

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

8.Find

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

(kali@kali)-[~/Desktop/Supriya_Bollineni]
$ find . -type f -name *alpha1*
./alpha1.txt

(kali@kali)-[~/Desktop/Supriya_Bollineni]
$ find . -iname *alpha2*
./alpha2.txt
```

9.Finger

```
(kali㉿kali)-[~/Desktop/Supriya_Bollineni]
$ finger kali
Login: kali                      Name:
Directory: /home/kali           Shell: /usr/bin/zsh
On since Mon Sep 30 16:41 (EDT) on tty7 from :0
    5 hours 16 minutes idle
No mail.
No Plan.
```

10.free

```
(kali㉿kali)-[~/Desktop/Supriya_Bollineni]
$ free -h
               total        used        free      shared  buff/cache   available
Mem:            1.9Gi         849Mi        359Mi        59Mi        1.0Gi        1.1Gi
Swap:           1.0Gi           0B         1.0Gi
```

11.groups

```
(kali㉿kali)-[~/Desktop/Supriya_Bollineni]
$ 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/Supriya_Bollineni]
$ cd ~
(kali㉿kali)-[~]
$ gzip -k core.c
```

```
(kali㉿kali)-[~]
$ ls -l core*
-rw-rw-r-- 1 kali kali 352005 Sep 28 22:38 core.c
-rw-rw-r-- 1 kali kali  87862 Sep 28 22:38 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>
 */
```

```
#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>
#include <linux/module.h>
#include <linux/mman.h>
#include <linux/compat.h>
#include <linux/bpf.h>
#include <linux/filter.h>
#include <linux/namei.h>
#include <linux/parser.h>
#include <linux/sched/clock.h>
```

core.c

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

```
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  
  
/boot/grub/fonts:  
unicode.pf2  
  
/boot/grub/i386-pc:  
915resolution.mod  
:ls: cannot open directory '/etc/credstore': Permission denied  
ls: cannot open directory '/etc/credstore.encrypted': Permission denied  
ls: cannot open directory '/etc/ipsec.d/private': Permission denied  
ls: cannot open directory '/etc/openssl/gnupg': Permission denied  
ls: cannot open directory '/etc/polkit-1/rules.d': Permission denied  
ls: cannot open directory '/etc/redis': Permission denied  
ls: cannot open directory '/etc/ssl/private': Permission denied  
:  
:
```

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 28 22:38 core.c
-rw-rw-r-- 1 kali kali 87862 Sep 28 22:38 core.c.gz
drwxr-xr-x 3 kali kali 4096 Sep 28 19:46 Desktop
drwxr-xr-x 2 kali kali 4096 Sep 19 17:21 Documents
drwxr-xr-x 2 kali kali 4096 Sep 19 17:21 Downloads
drwxr-xr-x 2 kali kali 4096 Sep 19 17:21 Music
drwxr-xr-x 2 kali kali 4096 Sep 28 21:48 Pictures
drwxr-xr-x 2 kali kali 4096 Sep 19 17:21 Public
drwxr-xr-x 2 kali kali 4096 Sep 19 17:21 Templates
drwxr-xr-x 2 kali kali 4096 Sep 19 17:21 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 file's 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

  --no-preserve-root
    do not treat '/' specially (the default)

  --preserve-root
    fail to operate recursively on '/'

  --reference=RFILE
    use RFILE's owner and group rather than specifying OWNER:GROUP values. RFILE is always dereferenced.

  -R, --recursive
    operate on files and directories recursively

  The following options modify how a hierarchy is traversed when the -R option is also specified. If more than one is specified, only the final one takes effect.

```

17.mkdir

```
(kali㉿kali)-[~]
$ mkdir invoices

(kali㉿kali)-[~]
$ mkdir quotes

(kali㉿kali)-[~]
$ ls -al
total 624
drwx----- 17 kali kali 4096 Sep 28 23:31 .
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 8 kali kali 4096 Sep 19 18:10 .cache
drwxr-xr-x 13 kali kali 4096 Sep 19 17:46 .config
-rw-rw-r-- 1 kali kali 352005 Sep 28 22:38 core.c
-rw-rw-r-- 1 kali kali 87862 Sep 28 22:38 core.c.gz
drwxr-xr-x 3 kali kali 4096 Sep 28 19:46 Desktop
-rw-r--r-- 1 kali kali 35 Sep 19 17:21 .dmrc
drwxr-xr-x 2 kali kali 4096 Sep 19 17:21 Documents
drwxr-xr-x 2 kali kali 4096 Sep 19 17:21 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 19 17:21 .gnupg
-rw----- 1 kali kali 0 Sep 19 17:21 .ICEauthority
drwxrwxr-x 2 kali kali 4096 Sep 28 23:31 invoices
drwxr-xr-x 3 kali kali 4096 Aug 18 15:57 .java
drwxr-xr-x 4 kali kali 4096 Sep 19 17:21 .local
drwxr-xr-x 2 kali kali 4096 Sep 19 17:21 Music
drwxr-xr-x 2 kali kali 4096 Sep 28 21:48 Pictures
-rw-r--r-- 1 kali kali 807 Aug 18 15:57 .profile
drwxr-xr-x 2 kali kali 4096 Sep 19 17:21 Public
drwxrwxr-x 2 kali kali 4096 Sep 28 23:31 quotes
-rw-r--r-- 1 kali kali 0 Sep 19 19:06 .sudo_as_admin_successful
drwxr-xr-x 2 kali kali 4096 Sep 19 17:21 Templates
-rw-r----- 1 kali kali 6 Sep 28 19:44 .vboxclient-clipboard-tty7-control.pid
-rw-r----- 1 kali kali 4 Sep 28 19:44 .vboxclient-clipboard-tty7-service.pid
-rw-r----- 1 kali kali 6 Sep 28 19:44 .vboxclient-display-svg-x11-tty7-control.pid
-rw-r----- 1 kali kali 5 Sep 28 19:44 .vboxclient-display-svg-x11-tty7-service.pid
-rw-r----- 1 kali kali 6 Sep 28 19:44 .vboxclient-draganddrop-tty7-control.pid
-rw-r----- 1 kali kali 4 Sep 28 19:44 .vboxclient-draganddrop-tty7-service.pid
-rw-r----- 1 kali kali 6 Sep 28 19:44 .vboxclient-hostversion-tty7-control.pid
-rw-r----- 1 kali kali 6 Sep 28 19:44 .vboxclient-seamless-tty7-control.pid
-rw-r----- 1 kali kali 4 Sep 28 19:44 .vboxclient-seamless-tty7-service.pid
-rw-r----- 1 kali kali 6 Sep 28 19:44 .vboxclient-vmsvg-session-tty7-control.pid
drwxr-xr-x 2 kali kali 4096 Sep 19 17:21 Videos
-rw----- 1 kali kali 49 Sep 28 19:44 .Xauthority
-rw----- 1 kali kali 12439 Sep 28 22:23 .xsession-errors
drwxr-xr-x 2 kali kali 4096 Sep 19 17:21 Videos
-rw----- 1 kali kali 49 Sep 28 19:44 .Xauthority
-rw----- 1 kali kali 12439 Sep 28 22:23 .xsession-errors
-rw----- 1 kali kali 11908 Sep 19 19:33 .xsession-errors.old
-rw----- 1 kali kali 3676 Sep 28 22:23 .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/Supriya_Bollineni

(kali㉿kali)-[~/Desktop/Supriya_Bollineni]
$ mv alpha1.txt ~/Desktop

(kali㉿kali)-[~/Desktop/Supriya_Bollineni]
$ ls -l
total 12
-rw-rw-r-- 1 kali kali  48 Sep 30 21:44 alpha2.txt
-rw----- 1 kali kali   1 Sep 30 20:56 alpha.txt.save
drwxrwxr-x 2 kali kali 4096 Sep 30 20:01 work
```

19.passwd

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

20.ping

```
(kali㉿kali)-[~/Desktop/Supriya_Bollineni]
$ 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=1.21 ms
64 bytes from 192.168.56.1: icmp_seq=2 ttl=127 time=1.58 ms
64 bytes from 192.168.56.1: icmp_seq=3 ttl=127 time=1.71 ms
64 bytes from 192.168.56.1: icmp_seq=4 ttl=127 time=1.45 ms
64 bytes from 192.168.56.1: icmp_seq=5 ttl=127 time=1.78 ms
64 bytes from 192.168.56.1: icmp_seq=6 ttl=127 time=1.74 ms
64 bytes from 192.168.56.1: icmp_seq=7 ttl=127 time=1.40 ms
64 bytes from 192.168.56.1: icmp_seq=8 ttl=127 time=1.62 ms
64 bytes from 192.168.56.1: icmp_seq=9 ttl=127 time=1.42 ms
64 bytes from 192.168.56.1: icmp_seq=10 ttl=127 time=1.43 ms
64 bytes from 192.168.56.1: icmp_seq=11 ttl=127 time=1.80 ms
64 bytes from 192.168.56.1: icmp_seq=12 ttl=127 time=2.42 ms
64 bytes from 192.168.56.1: icmp_seq=13 ttl=127 time=1.34 ms
64 bytes from 192.168.56.1: icmp_seq=14 ttl=127 time=1.42 ms
64 bytes from 192.168.56.1: icmp_seq=15 ttl=127 time=1.79 ms
64 bytes from 192.168.56.1: icmp_seq=16 ttl=127 time=1.52 ms
^C
— 192.168.56.1 ping statistics —
16 packets transmitted, 16 received, 0% packet loss, time 15035ms
rtt min/avg/max/mdev = 1.214/1.602/2.421/0.273 ms
```

21.ps

```
(kali㉿kali)-[~/Desktop/Supriya_Bollineni]
$ ps
  PID TTY          TIME CMD
125673 pts/1    00:00:06 zsh
170183 pts/1    00:00:00 ps

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

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

```
File Actions Edit View Help
PID TTY      TIME CMD
 1 ?        00:00:01 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
11 ?        00:00:00 kworker/u4:0-ext4-rsv-conversion
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 ?        00:00:01 ksoftirqd/0
17 ?        00:00:05 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 ?        00:00:02 ksoftirqd/1
26 ?        00:00:00 kworker/1:0H-events_highpri
30 ?        00:00:01 kworker/u6:1-events_unbound
```

22.pwd

```
(kali㉿kali)-[~/Desktop/Supriya_Bollineni]
$ pwd
/home/kali/Desktop/Supriya_Bollineni
```

23.uname

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

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

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

24.w

```
(kali㉿kali)-[~/Desktop/Supriya_Bollineni]
$ w
22:41:40 up 6:00, 2 users, load average: 0.12, 0.12, 0.09
USER TTY FROM LOGIN@ IDLE JCPU PCPU WHAT
kali - 16:41 5:59m 0.00s 0.15s /usr/lib/systemd/systemd --user
kali - 16:41 5:59m 0.00s 0.06s lightdm --session-child 13 24
```

25.whoami


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

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

26.top

```
(kali㉿kali)-[~/Desktop/Supriya_Bollineni]
$ top
top - 22:48:03 up 6:06, 2 users, load average: 0.07, 0.08, 0.08
Tasks: 163 total, 2 running, 159 sleeping, 2 stopped, 0 zombie
%Cpu(s): 1.2 us, 1.6 sy, 0.0 ni, 97.0 id, 0.0 wa, 0.0 hi, 0.2 si, 0.0 st
MiB Mem : 1974.6 total, 361.6 free, 845.3 used, 1005.8 buff/cache
MiB Swap: 1024.0 total, 1024.0 free, 0.0 used. 1129.2 avail Mem

  PID USER      PR  NI   VIRT   RES   SHR  S  %CPU  %MEM    TIME+  COMMAND
  733 root        20   0 734832 241300 109588 S   1.3  11.9   4:01.15 Xorg
 1041 kali        20   0 969284 119656  79800 R   0.7   5.9   1:34.48 xfwm4
   636 root        20   0 355992  2820   2560 S   0.3   0.1   0:10.29 VBoxService
   988 kali        20   0 215960  3084   2688 S   0.3   0.2   1:43.96 VBoxClient
  1077 kali        20   0 301236 27344  19624 S   0.3   1.4   0:05.83 xfsettingsd
  1099 kali        20   0 360736 49180  22116 S   0.3   2.4   2:23.41 panel-13-cpugra
  1101 kali        20   0 337688 27780  20496 S   0.3   1.4   1:22.30 panel-15-genmon
166697 root        20   0      0      0      0 I   0.3   0.0   0:03.28 kworker/1:1-mm_percpu_wq
      1 root        20   0 22300  13788  10312 S   0.0   0.7   0:01.80 systemd
      2 root        20   0      0      0      0 S   0.0   0.0   0:00.03 kthreadd
Supriya 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
```

27.tail

```
(kali㉿kali)-[~/Desktop/Supriya_Bollineni]
$ tail alpha2.txt
Information systems and technology
Denton Texas
```

28.history

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

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

29.grep

```
(kali㉿kali)-[~/Desktop/Supriya_Bollineni]
$ grep systems *.txt
Information systems and technology

(kali㉿kali)-[~/Desktop/Supriya_Bollineni]
$ grep Denton *.txt
Denton Texas
```

30.shutdown

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

(kali㉿kali)-[~/Desktop/Supriya_Bollineni]
$ shutdown
Shutdown scheduled for Mon 2024-09-30 23:26:54 EDT, use 'shutdown -c' to cancel.

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