lab6.md 2023-12-19

Lab 6

Question 1

```
sjkincherlo-warren@cis106:~$
Lab6/88_Application-log.log
                                 lab6/dpkg.log
                                                                                                   antage.log
                                  lab6/dviluatex.log
                                                                                  lab6/ubuntu-ad
                                                                                  lab6/unattended-upgrades-dpkg.log
lab6/unattended-upgrades.log
 .ab6/apache01-error.log
 ab6/apache22.log
                                  lab6/fontconfig.log
                                  lab6/gpu-manager.log
                                                           lab6/pdfetex.log
                                                                                  lab6/unattended-upgrades-shutdown.log
                                                                                  lab6/updmap.log
lab6/vboxadd-setup.log
 ab6/bootstrap.log
                                  lab6/history.log
                                                            lab6/pdftex.log
lab6/casper.log lab6/http404.log
sjkincherlo-warren@cis106:~$ mkdir lab6/log-files
                                                            lab6/term.log
sjkincherlo-warren@cis106:~$ mw lab6/*.log lab6/log-files/
sjkincherlo-warren@cis106:~$ ls /etc/
                                                             hosts
                                                                                                                                sudo_logsrvd.conf
acpi
                                    dconf
                                                                                                                                sysctl.conf
                                                                                 magic.mi<mark>m</mark>e
adduser.conf
                                                                                                         pulse
                                                                                                         python3
alsa
                                                                                                                                sysctl.d
                                                                                 mailcap
                                                                                                         python3.10
alternatives
                                    default
                                                             hp
                                                                                 mailcap.order
                                                                                                                                systemd
                                                                                                                                terminfo
                                                             ifplugd
                                                                                 manpath.config
anacrontab
                                    deluser.conf
                                                                                                          rc0.d
apache2
                                    depmod.d
                                                             ImageMagick-6
                                                                                 mime.types
                                                                                                         rc1.d
                                                                                                                                texmf
                                                                                 mke2fs.conf
apg.conf
                                    dhcp
                                                             init
                                                                                                         rc2.d
                                                                                                                                thermald
apm
                                    dictionaries-common
                                                             init.d
                                                                                 ModemManager
                                                                                                          rc3.d
                                                                                                                                thunderbird
apparmor
                                    dpkg
                                                             initramfs-tools
                                                                                 modprobe.d
                                                                                                          rc4.d
apparmor.d
                                    e2scrub.conf
                                                                                 modules
                                                                                                          rc5.d
                                                                                                                                timidity
                                                                                                                                tmpfiles.d
                                                             insserv.conf.d
                                                                                 modules-load.d
apport
                                    emacs
                                                                                                         rc6.d
                                                                                 mtab
                                                                                                         rcS.d
                                                                                                                                ubuntu-advantage
                                    {\tt environment.d}
                                                             ipp-usb
                                                                                 nanorc
                                                                                                         resolv.conf
apt
avahi
                                    ethertypes
                                                             iproute2
                                                                                                                                udev
                                    firefox
                                                                                                                                udisks2
bash.bashrc
                                                             issu
                                                                                 netplan
                                                             issue.net
kernel
bash_completion
                                    fonts
                                                                                 network
                                                                                                         rsyslog.conf
                                                                                                                                updatedb.conf
bash_completion.d
                                    fprintd.conf
                                                                                 networkd-dispatcher
                                                                                                         rsyslog.d
bindresvport.blacklist
                                                             kernel-img.conf
                                                                                 NetworkManager
                                                                                                                                update-manager
binfmt.d
                                                              erneloops.conf
                                                                                 networks
                                                                                                                                update-motd.d
                                                                                                          samba
bluetooth
                                    fwupd
                                                                                                          sane.d
                                                                                                                                update-notifier
                                                             1dap
                                                                                 newt
                                                                                 nftables.conf
                                                                                                          security
                                                             ld.so.cache
                                                                                                                                UPower
boxes
brlapi.key
                                    gamin
                                                                                                                                usb_modeswitch.conf
                                                             ld.so.conf
                                                                                                          selinux
                                    gdb
                                                             ld.so.conf.d
                                                                                                                                usb_modeswitch.d
brltty
                                                                                 openvpn
brltty.conf
ca-certificates
                                    gdm3
                                                             legal
                                                                                 opt
                                                                                                          sensors.d
                                                                                                                                vdpau_wrapper.cfg
                                    geoclue
                                                             libao.conf
                                                                                 os-release
                                                                                                          services
                                                                                                                                vim
 a-certificates.conf
                                    ghostscript
                                                                                 PackageKit
                                                                                                          sgml
                                                                                                                                vmware-tools
                                                             libblockdev
                                                                                 pam.conf
 a-certificates.conf.dpkg-old
                                    glvnd
                                                                                                          shadow
                                                                                                                                vtrgb
                                    gnome
                                                             libibverbs.d
                                                                                                          shadow-
                                                                                                                                vulkan
                                    groff
chatscripts
                                                             libnl-3
                                                                                 papersize
                                                                                                          shells
                                                                                                                                w3m
compizconfig
                                                             libpaper.d
                                                                                                          skel
                                                                                                                                wgetrc
                                    group
console-setup
                                                             libreoffice
                                                                                                                                wpa_supplicant
                                    group-
                                                                                 passwd-
                                                                                                          snmp
cracklib
                                    grub.d
                                                             lighttpd
                                                                                                          speech-dispatcher
                                                                                 pcmcia
cron.d
                                    gshadow
                                                             locale.alias
                                                                                                         ssh
cron.daily
                                    gshadow-
                                                             locale.gen
                                                                                                                                xdg
cron.hourly
                                                             localtime
                                                                                                                                xm1
                                    gss
                                                                                 pm
                                    gtk-2.0
cron.monthly
                                                             logcheck
                                                                                 pnm2ppa.conf
                                                                                                          subgid-
                                                                                                                                zsh_command_not_found
crontab
                                    gtk-3.0
                                                                                 polkit-1
cron.weekly
                                    hdparm.conf
                                                             logrotate.conf
                                                                                 DDD
                                                             logrotate.d
                                                                                 printcap
                                    host.conf
                                                                                                          sudo.conf
cups
                                                                                 profile
cupshelpers
                                                             1sb-release
                                                                                                          sudoers
                                                            machine-id
                                                                                 profile.d
                                                                                                          sudoers.d
dbus-1
                                    hostname
sjkincherlo-warren@cis106:~$ ls /etc/*.conf
                                                                                                                                /etc/sudo_logsrvd.conf
/etc/sysctl.conf
                               /etc/deluser.conf
                                                                                /etc/libaudit.conf
                                                                                                         /etc/pnm2ppa.conf
/etc/apg.conf
                               /etc/e2scrub.conf
                                                                                                        /etc/resolv.conf
/etc/appstream.conf
                                                                                                         /etc/rsyslog.conf
                                                                                /etc/nftables.conf
                               /etc/fuse.conf
                                                                                                                                /etc/updatedb.conf
/etc/ca-certificates.conf
                               /etc/gai.conf
                                                      /etc/ld.so.conf
                                                                                /etc/nsswitch.conf
                                                                                                        /etc/sensors3.conf
                                                                                                                                /etc/usb_modeswitch.conf
etc/debconf.conf
                               /etc/hdparm.conf
                                                                                                         /etc/sudo.conf
                                                                                                                                /etc/xattr.co
sjkincherlo-warren@cis106:~$ ls -lSGh --time-style=+%D /etc/h*.conf /etc/p*.conf
-rw-r--r-- 1 root 7.5K 08/07/23 /etc/pnm2ppa.conf
-rw-r--r-- 1 root 4.4K 12/15/20 /etc/hdparm.conf
rw-r--r-- 1 root 552 08/11/20 /etc/pam.conf
rw-r--r-- 1 root 92 10/15/21 /etc/host.conf
gikincherlo-warren@cis106:~$
```

Question 2

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Question 3

```
sjkincherlo-warren@cis106:~$ cd lab6/
sjkincherlo-warren@cis106:~/lab6$ ls [A-Z]
ls: cannot access '[A-Z]': No such file or directory
sjkincherlo-warren@cis106:~/lab6$ ls [A-Z]*
Document.doc Expenses.xls
sjkincherlo-warren@cis106:~/lab6$ ls [A-Z0-9]*
25Games.lst Document.doc Expenses.xls
sjkincherlo-warren@cis106:~/lab6$ ls [0-9]*
25Games.lst apache03.err file_00.sh file_01.sh file_02.sh file_03.sh file_04.sh file_05.sh trip22-info.doc
sjkincherlo-warren@cis106:~/lab6$ ls [a-z]*[0-9].*
apache03.err file_00.sh file_01.sh file_02.sh file_03.sh file_05.sh
sjkincherlo-warren@cis106:~/lab6$ [
```

Question 4

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```
sjkincherlo-warren@cis106:~/lab6$ mkdir -p wallpapers/{cars}/{1080p. 2k,4k}
sjkincherlo-warren@cis106:~/lab6$ tree wallpapers/
wallpapers/
{cars}
     — 1080p
      - 2k
     _ 4k
4 directories, 0 files
sjkincherlo-warren@cis106:~/lab6$ fm-r wallpapers/
rm-r: command not found
sjkincherlo-warren@cis106:~/lab6$ rm -r wallpapers/
sjkincherlo-warren@cis106:~/lab6$ mkdir -p wallpapers/cars/{1080p,2k,4k}
sjkincherlo-warren@cis106:~/lab6$ tree wallpapers/
wallpapers/
L cars
    - 1080p
      - 2k
     __ 4k
4 directories, 0 files
sjkincherlo-warren@cis106:~/lab6$ mkdir -p assets/{imgs,videos}/{large,small}
sjkincherlo-warren@cis106:~/lab6$ tree assets
assets
  imgs
      large
      - small
  videos
      large
     — small
6 directories, 0 files
sjkincherlo-warren@cis106:~/lab6$ mkdir -p docs/books/{his,math}/{fall,spring}
sjkincherlo-warren@cis106:~/lab6$ touch docs/books/{his,math}/{fall,spring}/book.pdf
sjkincherlo-warren@cis106:~/lab6$ tree docs/
docs/
└ books
       his
          - fall
            └─ book.pdf
           spring
            book.pdf
       math
           fall
            book.pdf
            spring
            book.pdf
7 directories, 4 files
sjkincherlo-warren@cis106:~/lab6$
```

Challenge Question

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