Linux Administration Midterm
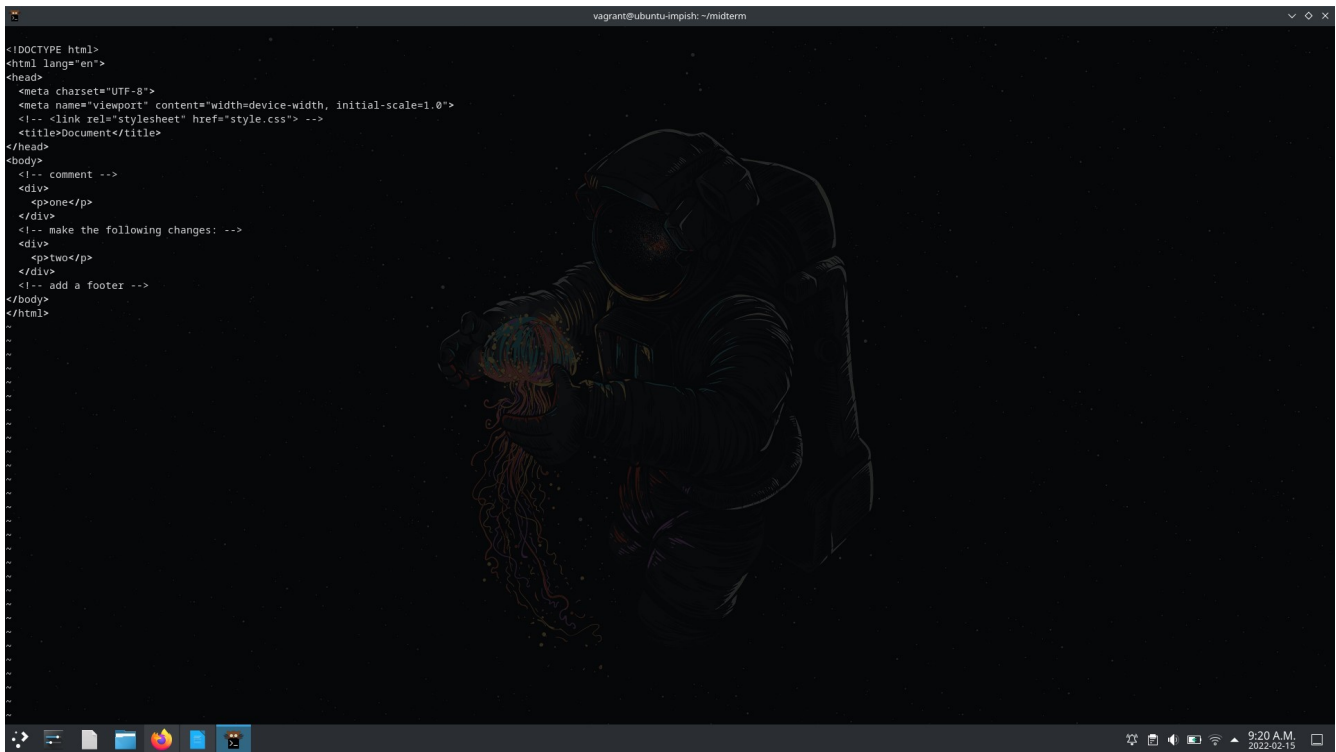
1. sudo apt-get update
   sudo apt-get upgrade

2. Command used: :g/add\|make\|comment/d

3. file: passwd

4.

5.

6.

```
Password:
su: Authentication failure
vagrant@ubuntu-impish:/$ su
Password:
su: Authentication failure
vagrant@ubuntu-impish:/$ su
Password:
su: Authentication failure
vagrant@ubuntu-impish:/$ ^C
vagrant@ubuntu-impish:/$ sudo -i
root@ubuntu-impish:~# cd /root/ect
-bash: cd: /root/ect: No such file or directory
root@ubuntu-impish:~# cd/r
-bash: cd/r: No such file or directory
root@ubuntu-impish:~# cd /rr
-bash: cd: /rr: No such file or directory
root@ubuntu-impish:~# cd /root/etc
-bash: cd: /root/etc: No such file or directory
root@ubuntu-impish:~# cd /root/etc/
-bash: cd: /root/etc/: No such file or directory
root@ubuntu-impish:~# cd /root/etc/
root@ubuntu-impish:/# cd /root/
root@ubuntu-impish:~# ls
snap
root@ubuntu-impish:~# cd
root@ubuntu-impish:~# cd ../
root@ubuntu-impish:/# cd /ect
-bash: cd: /ect: No such file or directory
root@ubuntu-impish:/# cd /etc/
root@ubuntu-impish:/etc# ls
```

```
NetworkManager       cloud              dpkg         host.conf        ld.so.conf.d   magic          networkd-dispatcher  profile      rsyslog.d   sudo_logsrvd.conf  vim
PackageKit           console-setup      e2scrub.conf hostname         ldap           magic.mime     networks             profile.d    screenrc    sudoers            vmware-tools
X11                  cron.d             ec2_version  hosts            legal          manpath.config newt                 protocols    security    sudoers.d          vtrgb
adduser.conf         cron.daily         environment  hosts.allow      libaudit.conf  mdadm          nsswitch.conf        python3      selinux     sysctl.conf        wgetrc
alternatives         cron.hourly        ethertypes   hosts.deny       libblockdev    mime.types     opt                  python3.9    services    sysctl.d           xattr.conf
apparmor             cron.monthly       fstab        init.d           libnl-3        mke2fs.conf     os-release          rc0.d        shadow      systemd            xdg
apparmor.d           cron.weekly        fuse.conf    initramfs-tools  locale.alias   modprobe.d     overlayroot.conf     rc1.d        shadow-     terminfo           zsh_command_not_found
apport               crontab            fwupd        inputrc          locale.gen     modules        overlayroot.local.conf rc2.d      shells      timezone
apt                  cryptsetup-initramfs gai.conf   iproute2         localtime      modules-load.d pam.conf             rc3.d        skel        tmpfiles.d
bash.bashrc          crypttab           groff        iscsi            .logcheck      mtab           pam.d                rc4.d        sos         ubuntu-advantage
bash_completion      dbus-1             group        issue            login.defs     multipath      passwd               rc5.d        ssh         ucf.conf
bash_completion.d    debconf.conf       group-       issue.net        logrotate.conf multipath.conf passwd-              rc6.d        ssl         udev
bindresvport.blacklist debian_version   grub.d       kernel           logrotate.d    nanorc         perl                 rc5.d        subgid      udisks2
binfmt.d             default            gshadow      kernel-img.conf  lsb-release    needrestart    pki                  resolv.conf  subgid-     ufw
byobu                deluser.conf       gshadow-     landscape        ltrace.conf    netconfig      pm                   rmt          subuid      update-manager
ca-certificates      depmod.d           gss          ld.so.cache      lvm            netplan        polkit-1             rpc          subuid-     update-motd.d
ca-certificates.conf dhcp               hdparm.conf  ld.so.conf       machine-id     network        pollinate            rsyslog.conf sudo.conf   update-notifier
root@ubuntu-impish:/etc# find passwd
passwd
root@ubuntu-impish:/etc#
```

9.


```
Password:
su: Authentication failure
vagrant@ubuntu-impish:/$ su
Password:
su: Authentication failure
vagrant@ubuntu-impish:/$ su
Password:
su: Authentication failure
vagrant@ubuntu-impish:/$ ^C
vagrant@ubuntu-impish:/$ sudo -i
root@ubuntu-impish:~# cd /root/ect
-bash: cd: /root/ect: No such file or directory
root@ubuntu-impish:~# cd/r
-bash: cd/r: No such file or directory
root@ubuntu-impish:~# cd /rr
-bash: cd: /rr: No such file or directory
root@ubuntu-impish:~# cd /root/etc
-bash: cd: /root/etc: No such file or directory
root@ubuntu-impish:~# cd /root/etc/
-bash: cd: /root/etc/: No such file or directory
root@ubuntu-impish:~# cd /root/etc/
root@ubuntu-impish:/# cd /root/
root@ubuntu-impish:~# ls
snap
root@ubuntu-impish:~# cd
root@ubuntu-impish:~# cd ../
root@ubuntu-impish:/# cd /ect
-bash: cd: /ect: No such file or directory
root@ubuntu-impish:/# cd /etc/
root@ubuntu-impish:/etc# ls
```

```
NetworkManager       cloud              dpkg         host.conf        ld.so.conf.d   magic          networkd-dispatcher  profile      rsyslog.d   sudo_logsrvd.conf  vim
PackageKit           console-setup      e2scrub.conf hostname         ldap           magic.mime     networks             profile.d    screenrc    sudoers            vmware-tools
X11                  cron.d             ec2_version  hosts            legal          manpath.config newt                 protocols    security    sudoers.d          vtrgb
adduser.conf         cron.daily         environment  hosts.allow      libaudit.conf  mdadm          nsswitch.conf        python3      selinux     sysctl.conf        wgetrc
alternatives         cron.hourly        ethertypes   hosts.deny       libblockdev    mime.types     opt                  python3.9    services    sysctl.d           xattr.conf
apparmor             cron.monthly       fstab        init.d           libnl-3        mke2fs.conf     os-release          rc0.d        shadow      systemd            xdg
apparmor.d           cron.weekly        fuse.conf    initramfs-tools  locale.alias   modprobe.d     overlayroot.conf     rc1.d        shadow-     terminfo           zsh_command_not_found
apport               crontab            fwupd        inputrc          locale.gen     modules        overlayroot.local.conf rc2.d      shells      timezone
apt                  cryptsetup-initramfs gai.conf   iproute2         localtime      modules-load.d pam.conf             rc3.d        skel        tmpfiles.d
bash.bashrc          crypttab           groff        iscsi            .logcheck      mtab           pam.d                rc4.d        sos         ubuntu-advantage
bash_completion      dbus-1             group        issue            login.defs     multipath      passwd               rc5.d        ssh         ucf.conf
bash_completion.d    debconf.conf       group-       issue.net        logrotate.conf multipath.conf passwd-              rc6.d        ssl         udev
bindresvport.blacklist debian_version   grub.d       kernel           logrotate.d    nanorc         perl                 rc5.d        subgid      udisks2
binfmt.d             default            gshadow      kernel-img.conf  lsb-release    needrestart    pki                  resolv.conf  subgid-     ufw
byobu                deluser.conf       gshadow-     landscape        ltrace.conf    netconfig      pm                   rmt          subuid      update-manager
ca-certificates      depmod.d           gss          ld.so.cache      lvm            netplan        polkit-1             rpc          subuid-     update-motd.d
ca-certificates.conf dhcp               hdparm.conf  ld.so.conf       machine-id     network        pollinate            rsyslog.conf sudo.conf   update-notifier
root@ubuntu-impish:/etc# find passwd
passwd
root@ubuntu-impish:/etc#
```

10.

```
vagrant@ubuntu-impish:~$
vagrant@ubuntu-impish:~$
vagrant@ubuntu-impish:~$
vagrant@ubuntu-impish:~$
vagrant@ubuntu-impish:~$
vagrant@ubuntu-impish:~$
vagrant@ubuntu-impish:~$
vagrant@ubuntu-impish:~$
vagrant@ubuntu-impish:~$
vagrant@ubuntu-impish:~$
vagrant@ubuntu-impish:~$
vagrant@ubuntu-impish:~$
vagrant@ubuntu-impish:~$
vagrant@ubuntu-impish:~$
vagrant@ubuntu-impish:~$
vagrant@ubuntu-impish:~$
vagrant@ubuntu-impish:~$
vagrant@ubuntu-impish:~$
vagrant@ubuntu-impish:~$
vagrant@ubuntu-impish:~$
vagrant@ubuntu-impish:~$
vagrant@ubuntu-impish:~$
vagrant@ubuntu-impish:~$
vagrant@ubuntu-impish:~$
vagrant@ubuntu-impish:~$
vagrant@ubuntu-impish:~$
vagrant@ubuntu-impish:~$
vagrant@ubuntu-impish:~$
vagrant@ubuntu-impish:~$
vagrant@ubuntu-impish:~$
vagrant@ubuntu-impish:~$
vagrant@ubuntu-impish:~$
vagrant@ubuntu-impish:~$
vagrant@ubuntu-impish:~$
vagrant@ubuntu-impish:~$ find / -perm 755
```

```
/snap/core20/1328/usr/share/zoneinfo/right/Pacific
/snap/core20/1328/usr/share/zoneinfo/right/SystemV
/snap/core20/1328/usr/share/zoneinfo/right/US
/snap/core20/1328/usr/share/zoneinfo-icu
/snap/core20/1328/usr/share/zoneinfo-icu/44
/snap/core20/1328/usr/share/zoneinfo-icu/44/be
/snap/core20/1328/usr/share/zoneinfo-icu/44/le
/snap/core20/1328/usr/share/zsh
/snap/core20/1328/usr/share/zsh/vendor-completions
/snap/core20/1328/usr/src
/snap/core20/1328/var
/snap/core20/1328/var/backups
/snap/core20/1328/var/cache
/snap/core20/1328/var/cache/apparmor
/snap/core20/1328/var/cache/fontconfig
find: '/snap/core20/1328/var/cache/ldconfig': Permission denied
find: '/snap/core20/1328/var/cache/private': Permission denied
/snap/core20/1328/var/cache/snapd
/snap/core20/1328/var/lib
/snap/core20/1328/var/lib/cloud
/snap/core20/1328/var/lib/console-conf
/snap/core20/1328/var/lib/dbus
/snap/core20/1328/var/lib/dhcp
/snap/core20/1328/var/lib/extrausers
/snap/core20/1328/var/lib/misc
/snap/core20/1328/var/lib/pam
/snap/core20/1328/var/lib/polkit-1
/snap/core20/1328/var/lib/polkit-1/localauthority
/snap/core20/1328/var/lib/polkit-1/localauthority/10-vendor.d
find: '/snap/core20/1328/var/lib/private': Permission denied
/snap/core20/1328/var/lib/python
/snap/core20/1328/var/lib/snapd
/snap/core20/1328/var/lib/snapd/apparmor
/snap/core20/1328/var/lib/snapd/apparmor/profiles
/snap/core20/1328/var/lib/snapd/apparmor/snap-confine
/snap/core20/1328/var/lib/snapd/assertions
/snap/core20/1328/var/lib/snapd/cache
/snap/core20/1328/var/lib/snapd/cookie
/snap/core20/1328/var/lib/snapd/desktop
/snap/core20/1328/var/lib/snapd/desktop/applications
/snap/core20/1328/var/lib/snapd/device
/snap/core20/1328/var/lib/snapd/hostfs
/snap/core20/1328/var/lib/snapd/lib
/snap/core20/1328/var/lib/snapd/lib/gl
/snap/core20/1328/var/lib/snapd/lib/gl32
/snap/core20/1328/var/lib/snapd/lib/glvnd
/snap/core20/1328/var/lib/snapd/lib/vulkan
/snap/core20/1328/var/lib/snapd/mount
/snap/core20/1328/var/lib/snapd/save
/snap/core20/1328/var/lib/snapd/seccomp
```