Huỳnh Tấn Dương
3122410061

Tuần 2

Bài 1/

```
[htd9424@localhost ~]$ su
Password:
[root@localhost htd9424]# pwd
/home/htd9424
[root@localhost htd9424]#
```

Bài 2/

```
[root@localhost ~]# mkdir /root/software
[root@localhost ~]# mkdir /root/dataserver
[root@localhost ~]# ls
anaconda-ks.cfg  dataserver  original-ks.cfg  software
[root@localhost ~]#
```

Bài 3/

```
[root@localhost etc]# find /etc -name passwd
/etc/pam.d/passwd
/etc/passwd
[root@localhost etc]# find /etc -name group
/etc/group
/etc/iproute2/group
[root@localhost etc]# cp /etc/passwd /root/dataserver
[root@localhost etc]# cp /etc/group /root/dataserver
[root@localhost etc]# cd ..
[root@localhost /]# cd root
[root@localhost ~]# ls
anaconda-ks.cfg  dataserver  original-ks.cfg  software
[root@localhost ~]# cd dataserver
[root@localhost dataserver]# ls
group  passwd
[root@localhost dataserver]#
```

Bài 4/

```
[root@localhost /]# mkdir /root/data
[root@localhost /]# mv /root/dataserver/passwd /root/data/pwd
[root@localhost /]# mv /root/dataserver/group /root/data/grp
[root@localhost /]# cd root
[root@localhost ~]# cd data
[root@localhost data]# ls
grp  pwd
[root@localhost data]#
```

Bài 5/

```
[root@localhost ~]# touch lylich.txt
[root@localhost ~]# cat > lylich.txt
Huynh Tan Duong
3122410061
DCT1224
DH Sai Gon
He Dieu Hanh-Ma Nguon Mo
^C
[root@localhost ~]# cat lylich.txt
Huynh Tan Duong
3122410061
DCT1224
DH Sai Gon
He Dieu Hanh-Ma Nguon Mo
[root@localhost ~]# mv lylich.txt data
[root@localhost ~]# cd data
[root@localhost data]# ls
grp  lylich.txt  pwd
[root@localhost data]#
```

Bài 6/

```
[root@localhost data]# cat >> lylich.txt
Chao cac ban lop DCT1224
^C
[root@localhost data]# cat lylich.txt
Huynh Tan Duong
3122410061
DCT1224
DH Sai Gon
He Dieu Hanh-Ma Nguon Mo
Chao cac ban lop DCT1224
[root@localhost data]#
```

Bài 7/

```
[root@localhost data]# tar -cf backup.tar /root/data
tar: Removing leading `/' from member names
tar: /root/data/backup.tar: file is the archive; not dumped
[root@localhost data]# ls
backup.tar  grp  lylich.txt  pwd
[root@localhost data]# gzip backup.tar
[root@localhost data]# ls
backup.tar.gz  grp  lylich.txt  pwd
[root@localhost data]#
```

Bài 8/

```
[root@localhost data]# ls
backup.tar.gz  grp  lylich.txt  pwd
[root@localhost data]# gzip -d backup.tar
[root@localhost data]# ls
backup.tar  grp  lylich.txt  pwd
[root@localhost data]# tar -xvf backup.tar -C/root
root/data/
root/data/pwd
root/data/grp
root/data/lylich.txt
[root@localhost data]# ls
backup.tar  grp  lylich.txt  pwd
[root@localhost data]# cd
[root@localhost ~]# ls
anaconda-ks.cfg  data  dataserver  original-ks.cfg  root  software
[root@localhost ~]# cd root
[root@localhost root]# ls
data
[root@localhost root]# cd data
[root@localhost data]# ls
grp  lylich.txt  pwd
[root@localhost data]#
```

Bài 9/

```
[root@localhost data]# head --help
Usage: head [OPTION]... [FILE]...
Print the first 10 lines of each FILE to standard output.
With more than one FILE, precede each with a header giving the file name.
With no FILE, or when FILE is -, read standard input.

Mandatory arguments to long options are mandatory for short options too.
  -c, --bytes=[-]K         print the first K bytes of each file;
                             with the leading '-', print all but the last
                             K bytes of each file
  -n, --lines=[-]K         print the first K lines instead of the first 10;
                             with the leading '-', print all but the last
                             K lines of each file
  -q, --quiet, --silent    never print headers giving file names
  -v, --verbose            always print headers giving file names
      --help     display this help and exit
      --version  output version information and exit

K may have a multiplier suffix:
b 512, kB 1000, K 1024, MB 1000*1000, M 1024*1024,
GB 1000*1000*1000, G 1024*1024*1024, and so on for T, P, E, Z, Y.

GNU coreutils online help: <http://www.gnu.org/software/coreutils/>
For complete documentation, run: info coreutils 'head invocation'
[root@localhost data]#
```

```
[root@localhost data]# tail --help
Usage: tail [OPTION]... [FILE]...
Print the last 10 lines of each FILE to standard output.
With more than one FILE, precede each with a header giving the file name.
With no FILE, or when FILE is -, read standard input.

Mandatory arguments to long options are mandatory for short options too.
  -c, --bytes=K             output the last K bytes; or use -c +K to output
                              bytes starting with the Kth of each file
  -f, --follow[={name|descriptor}]
                            output appended data as the file grows;
                              an absent option argument means 'descriptor'
  -F                        same as --follow=name --retry
  -n, --lines=K             output the last K lines, instead of the last 10;
                              or use -n +K to output starting with the Kth
      --max-unchanged-stats=N
                            with --follow=name, reopen a FILE which has not
                              changed size after N (default 5) iterations
                              to see if it has been unlinked or renamed
                              (this is the usual case of rotated log files);
                              with inotify, this option is rarely useful
      --pid=PID             with -f, terminate after process ID, PID dies
  -q, --quiet, --silent     never output headers giving file names
      --retry               keep trying to open a file if it is inaccessible
  -s, --sleep-interval=N    with -f, sleep for approximately N seconds
                              (default 1.0) between iterations;
                              with inotify and --pid=P, check process P at
                              least once every N seconds
  -v, --verbose             always output headers giving file names
```

```
[root@localhost data]# cal --help

Usage:
 cal [options] [[[day] month] year]

Options:
 -1, --one          show only current month (default)
 -3, --three        show previous, current and next month
 -s, --sunday       Sunday as first day of week
 -m, --monday       Monday as first day of week
 -j, --julian       output Julian dates
 -y, --year         show whole current year
 -V, --version      display version information and exit
 -h, --help         display this help text and exit

[root@localhost data]#
```

```
[root@localhost ~]# touch /mancmd
[root@localhost ~]# man head tail cal >mancmd
[root@localhost ~]# cat mancmd
HEAD(1)                              User Commands                              HEAD(1)



NAME
       head - output the first part of files

SYNOPSIS
       head [OPTION]... [FILE]...

DESCRIPTION
       Print  the  first  10 lines of each FILE to standard output.  With more than one FILE, precede
       each with a header giving the file name.  With no FILE, or  when  FILE  is  -,  read  standard
       input.

       Mandatory arguments to long options are mandatory for short options too.

       -c, --bytes=[-]K
              print  the  first  K bytes of each file; with the leading '-', print all but the last K
              bytes of each file

       -n, --lines=[-]K
              print the first K lines instead of the first 10; with the leading '-',  print  all  but
              the last K lines of each file

       -q, --quiet, --silent
              never print headers giving file names

```

Bài 10/

```
[root@localhost ~]# cat /etc/passwd
root:x:0:0:root:/root:/bin/bash
bin:x:1:1:bin:/bin:/sbin/nologin
daemon:x:2:2:daemon:/sbin:/sbin/nologin
adm:x:3:4:adm:/var/adm:/sbin/nologin
lp:x:4:7:lp:/var/spool/lpd:/sbin/nologin
sync:x:5:0:sync:/sbin:/bin/sync
shutdown:x:6:0:shutdown:/sbin:/sbin/shutdown
halt:x:7:0:halt:/sbin:/sbin/halt
mail:x:8:12:mail:/var/spool/mail:/sbin/nologin
operator:x:11:0:operator:/root:/sbin/nologin
games:x:12:100:games:/usr/games:/sbin/nologin
ftp:x:14:50:FTP User:/var/ftp:/sbin/nologin
nobody:x:99:99:Nobody:/:/sbin/nologin
systemd-network:x:192:192:systemd Network Management:/:/sbin/nologin
dbus:x:81:81:System message bus:/:/sbin/nologin
polkitd:x:999:998:User for polkitd:/:/sbin/nologin
libstoragemgmt:x:998:995:daemon account for libstoragemgmt:/var/run/lsm:/sbin/nologin
colord:x:997:994:User for colord:/var/lib/colord:/sbin/nologin
rpc:x:32:32:Rpcbind Daemon:/var/lib/rpcbind:/sbin/nologin
saned:x:996:993:SANE scanner daemon user:/usr/share/sane:/sbin/nologin
gluster:x:995:992:GlusterFS daemons:/run/gluster:/sbin/nologin
saslauth:x:994:76:Saslauthd user:/run/saslauthd:/sbin/nologin
abrt:x:173:173::/etc/abrt:/sbin/nologin
setroubleshoot:x:993:990::/var/lib/setroubleshoot:/sbin/nologin
rtkit:x:172:172:RealtimeKit:/proc:/sbin/nologin
pulse:x:171:171:PulseAudio System Daemon:/var/run/pulse:/sbin/nologin
radvd:x:75:75:radvd user:/:/sbin/nologin
chrony:x:992:987::/var/lib/chrony:/sbin/nologin
unbound:x:991:986:Unbound DNS resolver:/etc/unbound:/sbin/nologin
qemu:x:107:107:qemu user:/:/sbin/nologin
tss:x:59:59:Account used by the trousers package to sandbox the tcsd daemon:/dev/null:/sbin/nologin
sssd:x:990:984:User for sssd:/:/sbin/nologin
usbmuxd:x:113:113:usbmuxd user:/:/sbin/nologin
geoclue:x:989:983:User for geoclue:/var/lib/geoclue:/sbin/nologin
ntp:x:38:38::/etc/ntp:/sbin/nologin
gdm:x:42:42::/var/lib/gdm:/sbin/nologin
rpcuser:x:29:29:RPC Service User:/var/lib/nfs:/sbin/nologin
nfsnobody:x:65534:65534:Anonymous NFS User:/var/lib/nfs:/sbin/nologin
gnome-initial-setup:x:988:982::/run/gnome-initial-setup/:/sbin/nologin
```

Bài 11/

```
[root@localhost ~]# head -n 10 /etc/passwd
root:x:0:0:root:/root:/bin/bash
bin:x:1:1:bin:/bin:/sbin/nologin
daemon:x:2:2:daemon:/sbin:/sbin/nologin
adm:x:3:4:adm:/var/adm:/sbin/nologin
lp:x:4:7:lp:/var/spool/lpd:/sbin/nologin
sync:x:5:0:sync:/sbin:/bin/sync
shutdown:x:6:0:shutdown:/sbin:/sbin/shutdown
halt:x:7:0:halt:/sbin:/sbin/halt
mail:x:8:12:mail:/var/spool/mail:/sbin/nologin
operator:x:11:0:operator:/root:/sbin/nologin
[root@localhost ~]#
```

Bài 12/

```
[root@localhost ~]# tail -n 10 /etc/group
slocate:x:21:
avahi:x:70:
postdrop:x:90:
postfix:x:89:
stapusr:x:156:
stapsys:x:157:
stapdev:x:158:
tcpdump:x:72:
htd9424:x:1000:htd9424
duong9424:x:1001:
[root@localhost ~]#
```

Bài 13/

```
[root@localhost data]# cat pwd grp
root:x:0:0:root:/root:/bin/bash
bin:x:1:1:bin:/bin:/sbin/nologin
daemon:x:2:2:daemon:/sbin:/sbin/nologin
adm:x:3:4:adm:/var/adm:/sbin/nologin
lp:x:4:7:lp:/var/spool/lpd:/sbin/nologin
sync:x:5:0:sync:/sbin:/bin/sync
shutdown:x:6:0:shutdown:/sbin:/sbin/shutdown
halt:x:7:0:halt:/sbin:/sbin/halt
mail:x:8:12:mail:/var/spool/mail:/sbin/nologin
operator:x:11:0:operator:/root:/sbin/nologin
games:x:12:100:games:/usr/games:/sbin/nologin
ftp:x:14:50:FTP User:/var/ftp:/sbin/nologin
nobody:x:99:99:Nobody:/:/sbin/nologin
systemd-network:x:192:192:systemd Network Management:/:/sbin/nologin
dbus:x:81:81:System message bus:/:/sbin/nologin
polkitd:x:999:998:User for polkitd:/:/sbin/nologin
libstoragemgmt:x:998:995:daemon account for libstoragemgmt:/var/run/lsm:/sbin/nologin
colord:x:997:994:User for colord:/var/lib/colord:/sbin/nologin
rpc:x:32:32:Rpcbind Daemon:/var/lib/rpcbind:/sbin/nologin
saned:x:996:993:SANE scanner daemon user:/usr/share/sane:/sbin/nologin
gluster:x:995:992:GlusterFS daemons:/run/gluster:/sbin/nologin
saslauth:x:994:76:Saslauthd user:/run/saslauthd:/sbin/nologin
abrt:x:173:173::/etc/abrt:/sbin/nologin
setroubleshoot:x:993:990::/var/lib/setroubleshoot:/sbin/nologin
rtkit:x:172:172:RealtimeKit:/proc:/sbin/nologin
pulse:x:171:171:PulseAudio System Daemon:/var/run/pulse:/sbin/nologin
radvd:x:75:75:radvd user:/:/sbin/nologin
chrony:x:992:987::/var/lib/chrony:/sbin/nologin
unbound:x:991:986:Unbound DNS resolver:/etc/unbound:/sbin/nologin
qemu:x:107:107:qemu user:/:/sbin/nologin
tss:x:59:59:Account used by the trousers package to sandbox the tcsd daemon:/dev/null:/sbin/nologin
sssd:x:990:984:User for sssd:/:/sbin/nologin
usbmuxd:x:113:113:usbmuxd user:/:/sbin/nologin
geoclue:x:989:983:User for geoclue:/var/lib/geoclue:/sbin/nologin
ntp:x:38:38::/etc/ntp:/sbin/nologin
gdm:x:42:42::/var/lib/gdm:/sbin/nologin
rpcuser:x:29:29:RPC Service User:/var/lib/nfs:/sbin/nologin
nfsnobody:x:65534:65534:Anonymous NFS User:/var/lib/nfs:/sbin/nologin
gnome-initial-setup:x:988:982::/run/gnome-initial-setup/:/sbin/nologin
```

```
gnome-initial-setup:x:988:982::/run/gnome-initial-setup/:/sbin/nologin
sshd:x:74:74:Privilege-separated SSH:/var/empty/sshd:/sbin/nologin
avahi:x:70:70:Avahi mDNS/DNS-SD Stack:/var/run/avahi-daemon:/sbin/nologin
postfix:x:89:89::/var/spool/postfix:/sbin/nologin
tcpdump:x:72:72::/:/sbin/nologin
htd9424:x:1000:1000:Huynh Tan Duong:/home/htd9424:/bin/bash
duong9424:x:1001:1001:Huynh Tan Duong:/home/duong9424:/bin/bash
root:x:0:
bin:x:1:
daemon:x:2:
sys:x:3:
adm:x:4:
tty:x:5:
disk:x:6:
lp:x:7:
mem:x:8:
kmem:x:9:
wheel:x:10:
cdrom:x:11:
mail:x:12:postfix
man:x:15:
dialout:x:18:
floppy:x:19:
games:x:20:
tape:x:33:
video:x:39:
ftp:x:50:
lock:x:54:
audio:x:63:
nobody:x:99:
users:x:100:
utmp:x:22:
utempter:x:35:
input:x:999:
systemd-journal:x:190:
systemd-network:x:192:
dbus:x:81:
polkitd:x:998:
printadmin:x:997:
cgred:x:996:
libstoragemgmt:x:995:
```

Bài 14/

```
[root@localhost data]# wc -l -w pwd grp
  45    95 pwd
  73    73 grp
 118   168 total
[root@localhost data]#
```

Bài 15/

```
[root@localhost data]# grep root /etc/passwd
root:x:0:0:root:/root:/bin/bash
operator:x:11:0:operator:/root:/sbin/nologin
[root@localhost data]#
```

Bài 16/

```
[root@localhost data]# ls -a
.  ..  backup.tar  foulder1  foulder2  grp  lylich.txt  pwd
[root@localhost data]# find . -type d|wc -l
3
[root@localhost data]# find . -type f|wc -l
4
[root@localhost data]#
```

Bài 17/

```
[root@localhost data]# ls -a
.  ..  backup.tar  foulder1  foulder2  grp  lylich.txt  pwd
[root@localhost data]# find . -type d|wc -l
3
[root@localhost data]#
```