```
dherve@cslinux:~/cscd340/Lab 4/prob 1$ valgrind --leak-check=full --show-reachable=yes ./prob1
==10428== Memcheck, a memory error detector
==10428== Copyright (C) 2002-2011, and GNU GPL'd, by Julian Seward et al.
==10428== Using Valgrind-3.7.0 and LibVEX; rerun with -h for copyright info
==10428== Command: ./prob1
==10428==
Please enter a command (exit to exit or print to print) Is -I
There are 2 tokens.
The tokens are:
ls
-|
total 40
-rw-r--r-- 1 dherve IT-GenericLinuxGroup 4648 Oct 10 23:46 cscd340lab4prob1.c
-rw-r--r-- 1 dherve IT-GenericLinuxGroup 613 Oct 10 01:41 lab4prob1.h
-rw-r--r-- 1 dherve IT-GenericLinuxGroup 3312 Oct 10 00:00 linkedlist.c
-rw-r--r-- 1 dherve IT-GenericLinuxGroup 714 Oct 9 22:26 linkedList.h
-rw-r--r-- 1 dherve IT-GenericLinuxGroup 91 Oct 10 01:07 Makefile
-rwxr-xr-x 1 dherve IT-GenericLinuxGroup 13913 Oct 10 23:46 prob1
Please enter a command (exit to exit or print to print) pwd
There are 1 tokens.
The tokens are:
pwd
/home/EASTERN/dherve/cscd340/Lab 4/prob 1
Please enter a command (exit to exit or print to print) ps aux
There are 2 tokens.
The tokens are:
```

ps

USER	PID %CPU %MEM VSZ RSS TTY STAT START	TIME COMMAND
root	1 0.0 0.1 29432 2472? Ss Sep24 0:14/sbi	n/init
root	2 0.0 0.0 0 0 ? S Sep24 0:00 [kthreade	d]
root	3 0.0 0.0 0 0? S Sep24 0:27 [ksoftirqo	d/0]
root	5 0.0 0.0 0 0? S< Sep24 0:00 [kworke	r/0:0H]
root	7 0.0 0.0 0 0 ? S Sep24 2:27 [rcu_sche	ed]
root	8 0.0 0.0 0 0? S Sep24 5:25 [rcuos/0]	
root	9 0.0 0.0 0 0? S Sep24 4:37 [rcuos/1]	
root	10 0.0 0.0 0 0 ? S Sep24 0:00 [rcu_bh]	
root	11 0.0 0.0 0 0 ? S Sep24 0:00 [rcuob/0)]
root	12 0.0 0.0 0 0? S Sep24 0:00 [rcuob/1	l]
root	13 0.0 0.0 0 0? S Sep24 0:04 [migration	on/0]
root	14 0.0 0.0 0 0 ? S Sep24 0:07 [watchd	og/0]
root	15 0.0 0.0 0 0? S Sep24 0:07 [watchd	og/1]
root	16 0.0 0.0 0 0? S Sep24 0:05 [migration	on/1]
root	17 0.0 0.0 0 0? S Sep24 0:00 [ksoftirg	_l d/1]
root	19 0.0 0.0 0 0? S< Sep24 0:00 [kworke	er/1:0H]
root	20 0.0 0.0 0 0? S< Sep24 0:00 [khelpe	r]
root	21 0.0 0.0 0 0? S Sep24 0:00 [kdevtm	pfs]
root	22 0.0 0.0 0 0? S< Sep24 0:00 [netns]	
root	23 0.0 0.0 0 0? S< Sep24 0:00 [writebo	ack]
root	24 0.0 0.0 0 0? S< Sep24 0:00 [kintegr	rityd]
root	25 0.0 0.0 0 0? S< Sep24 0:00 [bioset]	
root	26 0.0 0.0 0 0? S< Sep24 0:00 [kworke	er/u5:0]
root	27 0.0 0.0 0 0? S< Sep24 0:00 [kblock	d]
root	28 0.0 0.0 0 0? S< Sep24 0:00 [ata_sff	[
root	29 0.0 0.0 0 0? S Sep24 0:00 [khubd]	

```
30 0.0 0.0
                        0?
                               S< Sep24 0:00 [md]
root
root
       31 0.0 0.0
                        0?
                               S< Sep24 0:00 [devfreq_wq]
       34 0.0 0.0
                        0?
                               S Sep24 0:00 [khungtaskd]
root
       35 0.0 0.0
                    0
                        0 ?
                               S Sep24 0:10 [kswapd0]
root
                        0 ?
root
       36 0.0 0.0
                               SN Sep24 0:00 [ksmd]
root
       37 0.0 0.0
                        0 3
                               SN Sep24 0:07 [khugepaged]
       38 0.0 0.0
                        0?
                               S Sep24 0:00 [fsnotify_mark]
root
root
       39 0.0 0.0
                        0 ?
                               S Sep24 0:00 [ecryptfs-kthrea]
root
       40 0.0 0.0
                        0?
                               S< Sep24 0:00 [crypto]
root
       52 0.0 0.0
                        0 ?
                               S< Sep24 0:00 [kthrotld]
root
       55 0.0 0.0
                        0?
                               S Sep24 0:00 [scsi eh 0]
       56 0.0 0.0
                    0
                        0?
                               S Sep24 0:00 [scsi eh 1]
root
       77 0.0 0.0
                        0?
                               S< Sep24 0:00 [deferwq]
root
       78 0.0 0.0
                    0
                        0?
                               S< Sep24 0:00 [charger manager]
root
       229 0.0 0.0
                        0 ?
                               S< Sep24 0:00 [mpt_poll_0]</pre>
root
       230 0.0 0.0
                        0 ?
                               S< Sep24 0:00 [mpt/0]
root
                     0
root
       233 0.0 0.0
                     0
                        0 ?
                               S Sep24 0:00 [scsi_eh_2]
root
       246 0.0 0.0
                     0
                        0 ?
                               S Sep24 0:04 [jbd2/sda1-8]
root
       247 0.0 0.0
                     0
                        0 ?
                               S< Sep24 0:00 [ext4-rsv-conver]
       348 0.0 0.0 17236 516?
                                   S Sep24 0:01 upstart-udev-bridge --daemon
root
root
       358 0.0 0.0 15196 816?
                                   Ss Sep24 0:01/sbin/udevd --daemon
       369 0.0 0.0
                     0 0?
                               S< Sep24 0:00 [reiserfs]
root
root
       477 0.0 0.0
                     0 0?
                               S< Sep24 0:00 [rpciod]</pre>
102
       492 0.0 0.0 26928 1288?
                                    Ss Sep24 0:00 dbus-daemon --system --fork --act
       506 0.0 0.0
                     0 0?
                               S< Sep24 0:00 [nfsiod]
root
       508 0.0 0.0
                     0 0 ?
                               S< Sep24 0:00 [ttm swap]
root
       542 0.0 0.0 35364 1804?
                                    S Sep24 0:16 avahi-daemon: running [cslinux.lo
avahi
avahi
       546 0.0 0.0 35204 180?
                                    S Sep24 0:00 avahi-daemon: chroot helper
root
       559 0.0 0.0 19212 440?
                                   Ss Sep24 0:02 rpc.idmapd
```

```
567 0.0 0.0 0 0?
                               S< Sep24 0:00 [kpsmoused]
root
       648 0.0 0.1 127420 2532 ?
                                    Ss Sep24 0:05 smbd -F
root
       660 0.0 0.0 15192 368?
                                   S Sep24 0:00 upstart-socket-bridge --daemon
root
       665 0.0 0.0 19204 968?
                                   Ss Sep24 0:02 rpcbind -w
root
statd
       720 0.0 0.0 29868 1240?
                                   Ss Sep24 0:00 rpc.statd -L
root
       765 0.0 0.0 45860 1508?
                                   Ss Sep24 0:02 /usr/sbin/sshd -D
       804 0.0 0.0 97592 1716?
                                   Ss Sep24 1:11 nmbd -D
root
       899 0.0 0.0 9456 664 tty4
                                  Ss+ Sep24 0:00 /sbin/getty -8 38400 tty4
root
root
       905 0.0 0.0 9456 664 tty5
                                  Ss+ Sep24 0:00 /sbin/getty -8 38400 tty5
       921 0.0 0.0 9456 664 tty2 Ss+ Sep24 0:00/sbin/getty -8 38400 tty2
root
       922 0.0 0.0 9456 664 ttv3
                                   Ss+ Sep24 0:00 /sbin/getty -8 38400 tty3
root
       924 0.0 0.0 9456 664 tty6
                                   Ss+ Sep24 0:00 /sbin/getty -8 38400 tty6
root
       935 0.0 0.0 12784 772?
                                   Ss Sep24 0:02 cron
root
daemon 937 0.0 0.0 10580 216?
                                     Ss Sep24 0:00 atd
       944 0.0 0.0 4364 484?
                                  Ss Sep24 0:00 acpid -c /etc/acpi/events -s /var
root
       955 0.0 0.0 15984 540?
                                   Ss Sep24 2:29 /usr/sbin/irgbalance
root
900605922 956 4.8 0.0 4304 100?
                                      R 22:49 2:47 ./lab3prob3
root
       959 0.0 0.1 111412 2280 ?
                                    Ss Sep24 0:01/usr/sbin/winbindd
                                       Ssl Sep24 0:19 whoopsie
whoopsie 966 0.0 0.0 185464 1924?
       985 0.0 0.1 111496 3640 ?
                                    S Sep24 0:03 /usr/sbin/winbindd
root
root
      1019 0.0 0.4 43996 8824?
                                    Ss Sep24 5:00 /opt/quest/sbin/.vasd -p /var/opt
daemon 1027 0.0 2.1 76288 43780 ?
                                       S Sep24 4:36 /opt/guest/sbin/.vasd -p /var/opt
      1029 0.0 0.0 104848 1416?
                                    S Sep24 0:00 /usr/sbin/winbindd
root
      1030 0.0 0.1 111352 2168 ?
                                    S Sep24 0:00 /usr/sbin/winbindd
root
      1031 0.0 0.0 104848 1220 ?
                                    S Sep24 0:00 /usr/sbin/winbindd
root
      1041 0.0 0.0 127524 504?
                                      Sep24 0:00 smbd -F
root
daemon 1207 0.0 1.2 57692 24872 ?
                                       S Sep24 16:00 /opt/quest/sbin/.vasd -p /var/opt
daemon 1208 0.1 0.7 52236 15540 ?
                                          Sep24 30:07 /opt/quest/sbin/.vasd -p /var/opt
daemon 1209 0.0 0.7 52276 14400?
                                       S Sep24 0:11/opt/quest/sbin/.vasd -p /var/opt
```

```
900605922 1245 4.8 0.0 4304 100 ?
                                     R 22:50 2:41 ./lab3prob3
      1322 0.0 0.0 9456 664 tty1 Ss+ Sep24 0:00 /sbin/getty -8 38400 tty1
root
      1445 0.0 0.0 20088 996?
                                  Ss Oct05 1:28 tmux
eroe
      1446 0.0 0.0 31132 1184 pts/16 Ss Oct05 0:00 -bash
eroe
root
      1934 0.0 0.2 95512 5352?
                                   SLs 22:56 0:00 sshd: paulj [priv]
      1935 0.0 0.0 26900 1164 pts/16 S+ Oct05 0:00 bash
eroe
      1962 0.0 0.0 0 0?
                              S< Sep24 0:00 [xfsalloc]
root
      1964 0.0 0.0 0 0?
                              S< Sep24 0:00 [xfs_mru_cache]
root
root
      1965 0.0 0.0 0 0?
                              S< Sep24 0:00 [xfslogd]
      1966 0.0 0.0 15076 572?
                                  S Sep24 0:00 /sbin/udevd --daemon
root
      1967 0.0 0.0 15236 136?
                                  S Sep24 0:00 /sbin/udevd --daemon
root
      1970 0.0 0.0
                    0 0?
                              S Sep24 0:00 [jfsIO]
root
      1971 0.0 0.0
                        0 ?
                              S Sep24 0:00 [jfsCommit]
root
      1972 0.0 0.0 0
                        0 ?
                              S Sep24 0:00 [jfsCommit]
root
      1973 0.0 0.0
                        0 ?
                              S Sep24 0:00 [jfsSync]
root
                    0
      1993 0.0 0.0 0 0?
                              S< Sep24 0:00 [bioset]
root
                                   S 22:57 0:00 sshd: paulj@notty
paulj
      2087 0.0 0.1 95512 2388?
      2088 0.0 0.0 17996 1296?
                                   Ss 22:57 0:00 /usr/lib/openssh/sftp-server
paulj
900605922 2187 4.7 0.0 4304 100 ?
                                     R 22:58 2:19 ./lab3prob3
      2515 0.0 0.2 95508 5352?
                                   SLs 23:00 0:00 sshd: paulj [priv]
root
     2566 0.0 0.1 95508 2384?
                                 S 23:00 0:00 sshd: paulj@notty
paulj
pauli 2567 0.0 0.0 17864 1272?
                                   Ss 23:00 0:00 /usr/lib/openssh/sftp-server
      2615 0.0 0.0 0 0?
                              S< Sep24 0:00 [cifsiod]
root
900605922 2696 4.8 0.0 4304 100 ?
                                     R 23:01 2:10 ./lab3prob3
      2774 0.0 0.0 442432 1816?
                                   Ssl Sep30 15:06 /usr/sbin/automount
root
      2820 0.0 0.0 0 0?
                               S< Sep30 0:00 [kworker/u5:1]
root
900605922 3032 4.8 0.0 4304 100 ?
                                     R 23:03 2:03 ./lab3prob3
900605922 3174 4.8 0.0 4304 100 ?
                                     R 23:04 2:00 ./lab3prob3
900470274 3204 5.3 0.0 4168 92?
                                    R 23:05 2:12 ./a.out
```

root 3220 0.0 0.2 95512 5368? SLs 23:05 0:00 sshd: ahenry [priv] ahenry 3280 0.0 0.1 95512 2376? S 23:05 0:00 sshd: ahenry@pts/4 ahenry 3282 0.0 0.4 31208 9728 pts/4 Ss+ 23:05 0:00 -bash 900470274 3385 0.0 0.0 4648 116? S Oct07 0:00 strace -c -D ./a.out 900470274 3386 0.0 0.0 0 0? Z Oct07 0:00 [strace] <defunct> 900470274 3389 5.3 0.0 4168 92 ? R 23:05 2:09 ./a.out 900470274 3456 5.3 0.0 4168 92? R 23:06 2:09 ./a.out 900470274 3512 5.3 0.0 4168 92? R 23:07 2:07 ./a.out 900605922 3520 4.8 0.0 4304 100 ? R 23:07 1:54 ./lab3prob3 900470274 3527 5.3 0.0 4168 92 ? R 23:07 2:05 ./a.out 900470274 3535 5.3 0.0 4168 92 ? R 23:07 2:05 ./a.out 900470274 3536 5.3 0.0 4168 92? R 23:07 2:05 ./a.out 900470274 3577 5.3 0.0 4168 92 ? R 23:07 2:05 ./a.out 900470274 3614 5.3 0.0 4168 92? R 23:08 2:04 ./a.out 900470274 3696 5.3 0.0 4168 92? R 23:08 2:01 ./a.out 900470274 3697 5.3 0.0 4168 92 ? R 23:08 2:01 ./a.out 900470274 3706 5.3 0.0 4168 92 ? R 23:08 2:01 ./a.out 900470274 3729 5.2 0.0 4168 92? R 23:09 1:58 ./a.out 900470274 3738 5.3 0.0 4168 92 ? R 23:09 1:59 ./a.out 900470274 3804 5.2 0.0 4168 92 ? R 23:09 1:57 ./a.out 900470274 3805 5.3 0.0 4168 92 ? R 23:09 1:59 ./a.out 900470274 3827 5.3 0.0 4168 92? R 23:09 1:58 ./a.out 900470274 3879 5.3 0.0 4168 92 ? R 23:10 1:57 ./a.out 4332 0.0 0.0 0 0? S 23:12 0:00 [kworker/u4:0] root 900605922 4846 4.7 0.0 4304 100? R 23:13 1:34 ./lab3prob3 900605922 5144 4.7 0.0 4304 100 ? R 23:16 1:27 ./lab3prob3 900605922 5413 4.7 0.0 4304 100 ? R 23:17 1:22 ./lab3prob3 900605922 5578 4.8 0.0 4304 100 ? R 23:19 1:18./lab3prob3 900605922 5766 4.8 0.0 4304 100 ? R 23:19 1:17 ./lab3prob3

```
900605922 5816 4.8 0.0 4304 100? R 23:20 1:15 ./lab3prob3
rbabcoc1 6524 0.0 0.0 11348 372? S Oct09 0:00 script log.txt
rbabcoc1 6525 0.0 0.2 26860 5384 pts/9 Ss Oct09 0:00 bash -i
900708837 6786 0.0 0.2 57212 5224 pts/12 S+ 23:23 0:00 vim linkedlist.c
root
    7423 0.0 0.0 0 0?
                           S 23:29 0:00 [kworker/1:2]
root 7437 0.0 0.0 0 0? S Sep24 5:51 [cifsd]
    7554 0.0 0.2 95512 5368 ? SLs 20:42 0:00 sshd: cschadewitz [priv]
root
900605922 7591 4.8 0.0 4304 100? R 23:30 0:47 ./lab3prob3
900708837 7605 0.0 0.1 95672 2500 ? S 20:42 0:00 sshd: cschadewitz@pts/12
900708837 7606 0.0 0.4 31392 9960 pts/12 Ss 20:42 0:00 -bash
cstaaben 7718 0.0 0.1 15396 2936 pts/18 S+ 23:31 0:00 nano test.c
      7776 0.0 0.0 0 0?
                             S 23:32 0:00 [kworker/0:1]
root
900605922 8157 4.8 0.0 4304 100? R 23:35 0:33 ./lab3prob3
     8268 0.0 0.2 95508 5368? SLs 23:35 0:00 sshd: mpeterson10 [priv]
root
900709769 8352 0.0 0.1 95508 2380? S 23:35 0:00 sshd: mpeterson10@pts/3
900709769 8353 0.0 0.4 31228 9740 pts/3 Ss+ 23:35 0:00 -bash
root
      8878 0.0 0.0 0 0?
                             S 23:38 0:00 [kworker/0:2]
900605922 9038 4.8 0.0 4304 100?
                                    R 23:39 0:19./lab3prob3
root
      9259 0.0 0.0 0 0? S 23:41 0:00 [kworker/u4:2]
rbabcoc1 9269 0.0 0.2 57280 5212 pts/9 S+ Oct09 0:00 ex myScript
root
      9395 0.0 0.2 95512 5468? SLs 23:42 0:00 sshd: nowens [priv]
nowens 9537 0.0 0.1 95512 2444? S 23:42 0:00 sshd: nowens@pts/10
nowens 9538 0.0 0.2 26768 5280 pts/10 Ss+ 23:42 0:00 -bash
```

9649 0.0 0.0 0 0? S 23:43 0:00 [kworker/1:1]

chatch4 9724 0.1 0.4 31204 9756 pts/11 Ss+ 23:43 0:00 -bash

9667 0.0 0.2 95508 5352 ? SLs 23:43 0:00 sshd: chatch4 [priv]

9676 0.0 0.2 95508 5348? SLs 23:43 0:00 sshd: chatch4 [priv]

chatch4 9723 0.0 0.1 95508 2384? S 23:43 0:00 sshd: chatch4@pts/11

chatch4 9865 0.0 0.1 95508 2380? S 23:43 0:00 sshd: chatch4@pts/13

root

root

root

```
chatch4 9867 0.1 0.4 31144 9684 pts/13 Ss 23:43 0:00 -bash
```

root 10012 0.0 0.2 95512 5356? SLs 21:03 0:00 sshd: nowens [priv]

root 10043 0.0 0.0 0 0? S 23:43 0:00 [kworker/0:0]

root 10065 0.0 0.2 95512 5368? SLs 23:43 0:00 sshd: nowens [priv]

chatch4 10067 0.0 0.1 14856 2436 pts/13 S+ 23:43 0:00 nano cscd340lab4prob4.c

nowens 10068 0.0 0.1 95512 2496? S 21:03 0:00 sshd: nowens@notty

nowens 10069 0.0 0.0 17992 1404? Ss 21:03 0:00 /usr/lib/openssh/sftp-server

nowens 10129 0.0 0.1 95512 2376? S 23:44 0:00 sshd: nowens@pts/14

nowens 10130 0.1 0.2 26768 5280 pts/14 Ss+ 23:44 0:00 -bash

900605922 10370 4.5 0.0 4304 100? R 23:46 0:01 ./lab3prob3

dherve 10428 3.3 1.7 82848 35268 pts/1 S+ 23:46 0:00 /usr/bin/valgrind.bin --leak-chec

dherve 10461 0.0 0.0 27396 1632 pts/1 R+ 23:46 0:00 ps aux

root 11615 0.0 0.2 95512 5368? SLs 21:14 0:00 sshd: cschadewitz [priv]

900708837 11669 0.0 0.1 95512 2468 ? S 21:14 0:00 sshd: cschadewitz@pts/19

900708837 11670 0.0 0.4 31300 9868 pts/19 Ss+ 21:14 0:00 -bash

root 11805 0.0 0.2 95508 5364? SLs 21:14 0:00 sshd: ajones77 [priv]

ajones77 11871 0.0 0.1 95508 2200? S 21:15 0:00 sshd: ajones77@pts/21

ajones77 11872 0.0 0.4 31316 9876 pts/21 Ss+ 21:15 0:00 -bash

root 12370 0.0 0.2 95512 5356? SLs 21:17 0:00 sshd: dherve [priv]

dherve 12419 0.0 0.1 95512 2484? S 21:17 0:00 sshd: dherve@notty

dherve 12420 0.0 0.0 17864 1276? Ss 21:17 0:00/usr/lib/openssh/sftp-server

syslog 15642 0.0 0.0 243132 1400? SI 06:33 0:02 rsyslogd -c5

root 16390 0.0 0.2 95512 5468? SLs 21:50 0:00 sshd: dherve [priv]

dherve 16450 0.0 0.1 95512 2444? S 21:50 0:00 sshd: dherve@pts/1

dherve 16451 0.0 0.4 31288 9840 pts/1 Ss 21:50 0:00 -bash

900605922 18837 4.8 0.0 4304 100? R 22:06 4:48 ./lab3prob3

root 19401 0.0 0.2 95512 5356? SLs 22:11 0:00 sshd: cstaaben [priv]

cstaaben 19450 0.0 0.1 95512 2488? S 22:11 0:00 sshd: cstaaben@notty

cstaaben 19451 0.0 0.0 17996 1300? Ss 22:11 0:00 /usr/lib/openssh/sftp-server

```
root 19581 0.0 0.2 95512 5368? SLs 22:12 0:00 sshd: cstaaben [priv]
cstaaben 19654 0.0 0.1 96448 3392 ?
                                     S 22:12 0:01 sshd: cstaaben@pts/18
cstaaben 19655 0.0 0.4 31272 9840 pts/18 Ss 22:12 0:00 -bash
900605922 19849 4.7 0.0 4304 100 ?
                                      R 22:13 4:26 ./lab3prob3
900605922 21236 4.7 0.0 4304 100 ?
                                      R 22:20 4:07./lab3prob3
root 21346 0.0 0.0 0 0?
                               S 18:09 0:01 [kworker/1:0]
solson31 22496 0.0 0.0 34244 616?
                                     Ss Oct05 3:26 SCREEN
solson31 22497 0.0 0.0 26876 1184 pts/7 Ss Oct05 0:00 /bin/bash
solson31 22691 0.0 0.0 9400 344 pts/7 S Oct05 0:00 -sh
solson31 22772 0.0 0.0 26876 1160 pts/7 S Oct05 0:00 bash
solson31 22860 0.0 0.0 9428 488 pts/7 S Oct05 0:00 -sh
solson31 23071 0.0 0.0 26876 1184 pts/7 S+ Oct05 0:00 bash
root 27665 0.0 0.2 95512 5364? SLs 16:39 0:00 sshd: paulj [priv]
paulj 27718 0.0 0.1 95672 2496? S 16:39 0:00 sshd: paulj@pts/2
paulj 27719 0.0 0.4 31236 9760 pts/2 Ss+ 16:39 0:00 -bash
root 30316 0.0 0.2 95512 5348?
                                   SLs 22:29 0:00 sshd: pdickman [priv]
pdickman 30383 0.0 0.1 95512 2476?
                                      S 22:29 0:00 sshd: pdickman@notty
pdickman 30385 0.0 0.0 17864 1320?
                                      Ss 22:29 0:00 /usr/lib/openssh/sftp-server
root 31611 0.0 0.2 95512 5368?
                                   SLs 22:35 0:00 sshd: pdickman [priv]
pdickman 31683 0.0 0.1 95512 2492 ?
                                      S 22:35 0:00 sshd: pdickman@pts/28
pdickman 31684 0.0 0.4 31104 9628 pts/28 Ss+ 22:35 0:00 -bash
root 32345 0.0 0.2 95512 5348?
                                   SLs 22:41 0:00 sshd: nowens [priv]
nowens 32401 0.0 0.1 95512 2496? S 22:41 0:00 sshd: nowens@notty
nowens 32402 0.0 0.0 18012 1388? Ss 22:41 0:00 /usr/lib/openssh/sftp-server
Please enter a command (exit to exit or print to print) print
1 ls
2 pwd
```

3 ps

Please enter a command (exit to exit or print to print)