

```
itaylor@ubuntu:~/Documents/CSCD340/Lab6$ valgrind ./lab6
==7929== Memcheck, a memory error detector
==7929== Copyright (C) 2002-2015, and GNU GPL'd, by Julian Seward et al.
==7929== Using Valgrind-3.11.0 and LibVEX; rerun with -h for copyright info
==7929== Command: ./lab6
==7929==
```

```
command?: ls -l
total 300
drwxrwxr-x 2 itaylor itaylor 4096 Oct 18 17:34 command
-rw-rw-r-- 1 itaylor itaylor 198616 Oct 9 17:21 cscd340_f17_lab6.pdf
drwxrwxr-x 2 itaylor itaylor 4096 Oct 18 17:34 history
-rwxrwxr-x 1 itaylor itaylor 42192 Oct 18 17:42 lab6
-rw-rw-r-- 1 itaylor itaylor 9174 Oct 18 17:42 lab6.c
drwxrwxr-x 2 itaylor itaylor 4096 Oct 15 21:32 linkedlist
-rw-rw-r-- 1 itaylor itaylor 1642 Oct 14 23:36 Makefile
drwxrwxr-x 2 itaylor itaylor 4096 Oct 18 17:42 msshrcHandler
-rw-rw-r-- 1 itaylor itaylor 883 Oct 18 17:43 out2.txt
-rw-rw-r-- 1 itaylor itaylor 4 Oct 18 17:43 out.txt
drwxrwxr-x 2 itaylor itaylor 4096 Oct 15 16:26 pipes
drwxrwxr-x 2 itaylor itaylor 4096 Oct 14 23:37 process
drwxrwxr-x 2 itaylor itaylor 4096 Oct 14 22:43 redirect
drwxrwxr-x 2 itaylor itaylor 4096 Oct 15 14:19 tokenize
drwxrwxr-x 2 itaylor itaylor 4096 Oct 8 18:03 utils
```

```
command?: pwd
/home/itaylor/Documents/CSCD340/Lab6
```

```
command?: ls -l | wc -w
```

```
137
```

```
command?: echo Hello
Hello
```

```
command?: ls -l | wc -w > out.txt
```

```
command?: alias ll="ls -l"
```

```
command?: ll
```

```
total 300
drwxrwxr-x 2 itaylor itaylor 4096 Oct 18 17:34 command
-rw-rw-r-- 1 itaylor itaylor 198616 Oct 9 17:21 cscd340_f17_lab6.pdf
drwxrwxr-x 2 itaylor itaylor 4096 Oct 18 17:34 history
-rwxrwxr-x 1 itaylor itaylor 42192 Oct 18 17:42 lab6
-rw-rw-r-- 1 itaylor itaylor 9174 Oct 18 17:42 lab6.c
drwxrwxr-x 2 itaylor itaylor 4096 Oct 15 21:32 linkedlist
-rw-rw-r-- 1 itaylor itaylor 1642 Oct 14 23:36 Makefile
drwxrwxr-x 2 itaylor itaylor 4096 Oct 18 17:42 msshrcHandler
-rw-rw-r-- 1 itaylor itaylor 883 Oct 18 17:43 out2.txt
-rw-rw-r-- 1 itaylor itaylor 4 Oct 18 17:55 out.txt
drwxrwxr-x 2 itaylor itaylor 4096 Oct 15 16:26 pipes
drwxrwxr-x 2 itaylor itaylor 4096 Oct 14 23:37 process
```

drwxrwxr-x 2 itaylor itaylor 4096 Oct 14 22:43 redirect
drwxrwxr-x 2 itaylor itaylor 4096 Oct 15 14:19 tokenize
drwxrwxr-x 2 itaylor itaylor 4096 Oct 8 18:03 utils

command?: pwd
/home/itaylor/Documents/CSCD340/Lab6

command?: cd ..
command?: pwd
/home/itaylor/Documents/CSCD340

command?: cd
command?: pwd
/home/itaylor

command?: cd Documents/CSCD340/Lab6
command?: pwd
/home/itaylor/Documents/CSCD340/Lab6

command?: history

*****HISTORY FOR CURRENT SESSION*****

1. ls -l
2. pwd
3. ls -l | wc -w
4. echo Hello
5. ls -l | wc -w > out.txt
6. alias ll="ls -l"
7. ll
8. unalias ll
9. ll
10. pwd
11. cd ..
12. pwd
13. cd
14. pwd

15. cd Documents/CSCD340/Lab6

16. pwd

17. history

command?: !2

/home/itaylor/Documents/CSCD340/Lab6

command?: pwd

/home/itaylor/Documents/CSCD340/Lab6

command?: !!

/home/itaylor/Documents/CSCD340/Lab6

command?: exit

==7929==

==7929== HEAP SUMMARY:

==7929== in use at exit: 0 bytes in 0 blocks

==7929== total heap usage: 201 allocs, 201 frees, 29,090 bytes allocated

==7929==

==7929== All heap blocks were freed -- no leaks are possible

==7929==

==7929== For counts of detected and suppressed errors, rerun with: -v

==7929== ERROR SUMMARY: 0 errors from 0 contexts (suppressed: 0 from 0)