

### **Lab6a**

```
cprovan@ubuntu:~/Desktop/CSCD340/Lab6$ gcc cscd340Lab6a.c
cprovan@ubuntu:~/Desktop/CSCD340/Lab6$ ls -l | wc -w
92
cprovan@ubuntu:~/Desktop/CSCD340/Lab6$ ./a.out
92
cprovan@ubuntu:~/Desktop/CSCD340/Lab6$
```

### **containsPipe**

```
cprovan@ubuntu:~/Desktop/CSCD340/Lab6$ ./lab6
command?: ls -l | wc -w
number of Pipes: 1
double free or corruption (out)
Aborted (core dumped)
cprovan@ubuntu:~/Desktop/CSCD340/Lab6$
```

### **prePipe**

```
cprovan@ubuntu:~/Desktop/CSCD340/Lab6$ ./lab6
command?: ls -l | wc -w
number of Pipes: 1
PrePipe String: ls-l
double free or corruption (out)
Aborted (core dumped)
cprovan@ubuntu:~/Desktop/CSCD340/Lab6\$
```

### **postPipe**

```
cprovan@ubuntu:~/Desktop/CSCD340/Lab6$ ./lab6
command?: ls -l | wc -w
number of Pipes: 1
PrePipe String: ls-l
PrePipe String: wc-w
command?: exit
cprovan@ubuntu:~/Desktop/CSCD340/Lab6\$
```

### **basicPipeIt**

```
cprovan@ubuntu:~/Desktop/CSCD340/Lab6$ ./lab6
command?: ls -l | wc -w
number of Pipes: 1
PrePipe String: ls-l
PrePipe String: wc-w
92
cprovan@ubuntu:~/Desktop/CSCD340/Lab6$
```

### **fixedPipeIt**

```
cprovan@ubuntu:~/Desktop/CSCD340/Lab6$ ./lab6
command?: ls -l | wc -w
number of Pipes: 1
PrePipe String: ls-l
```

```
PrePipe String: wc-w
92
command?: ls -l | pws
number of Pipes: 1
PrePipe String: ls-l
PrePipe String: pws
command?: pws | wc -w
number of Pipes: 1
PrePipe String: pws
PrePipe String: wc-w
0
command?: exit
cprovan@ubuntu:~/Desktop/CSCD340/Lab6$
```

**Questions:**

Since exec changes the process image does your program leak memory?

No because its working in a child process so it wont leak.

What happens when an invalid command is passed to the pipe either as prePipe or postPipe?

If an invalid command is sent then the child process is exited.

If prePipe or postPipe are invalid is memory leaked?

No because because all that happens is the child is killed, and the parent still exists.