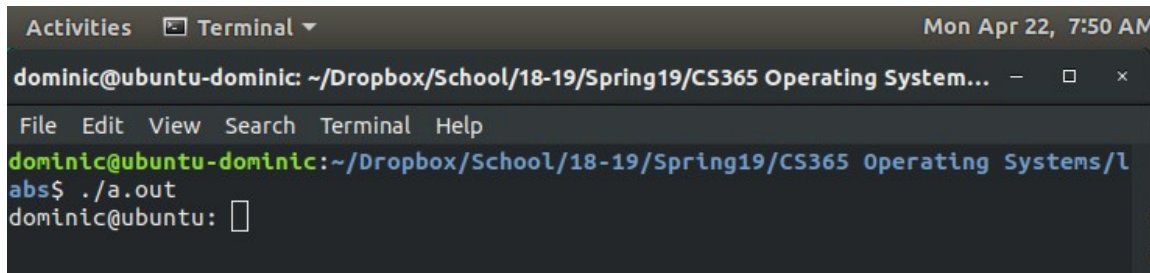


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## Lab1: Write your own shell

Displaying a prompt to indicate that it is ready to accept a next command from its user,

A terminal window titled 'Terminal' with a menu bar (File, Edit, View, Search, Terminal, Help) and a title bar (dominic@ubuntu-dominic: ~/Dropbox/School/18-19/Spring19/CS365 Operating System...). The terminal shows a custom prompt 'dominic@ubuntu-dominic:~/Dropbox/School/18-19/Spring19/CS365 Operating Systems/labs\$' followed by the command './a.out' and a new prompt 'dominic@ubuntu: '.

Take external commands, such as, ls, emacs and so on.

```
dominic@ubuntu: cd /home/dominic/Dropbox/School
Dir: /home/dominic/Dropbox/School
dominic@ubuntu: ls
18-19  classNotes  'FLOAT NONE'
dominic@ubuntu: cd 18-19
Dir: /home/dominic/Dropbox/School/18-19
dominic@ubuntu: ls
Fall18  Spring18  Spring19  Winter18  Winter19
dominic@ubuntu: 
```

### Take internal commands

**exit:** terminate the shell.

```
=====
There are several commands built into this shell:
=====
help
exit
cd
pid
dominic@ubuntu: exit
dominic@ubuntu-dominic:~/Dropbox/School/18-19/Spring19/CS365 Operating Systems/labs$ 
```

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**pid:** print out the current pid.

```
=====
There are several commands built into this shell:
=====
help
exit
cd
pid
dominic@ubuntu: pid
Current PID: 13258
dominic@ubuntu: 
```

**help:** help information of your shell.

```
dominic@ubuntu: help
=====
There are several commands built into this shell:
=====
help
exit
cd
pid
dominic@ubuntu: 
```

## Using “&” to implement multiple commands in one line

HAHAHAHAHAHAHAHAHAHHA kill me...I could not get this even remotely implemented.