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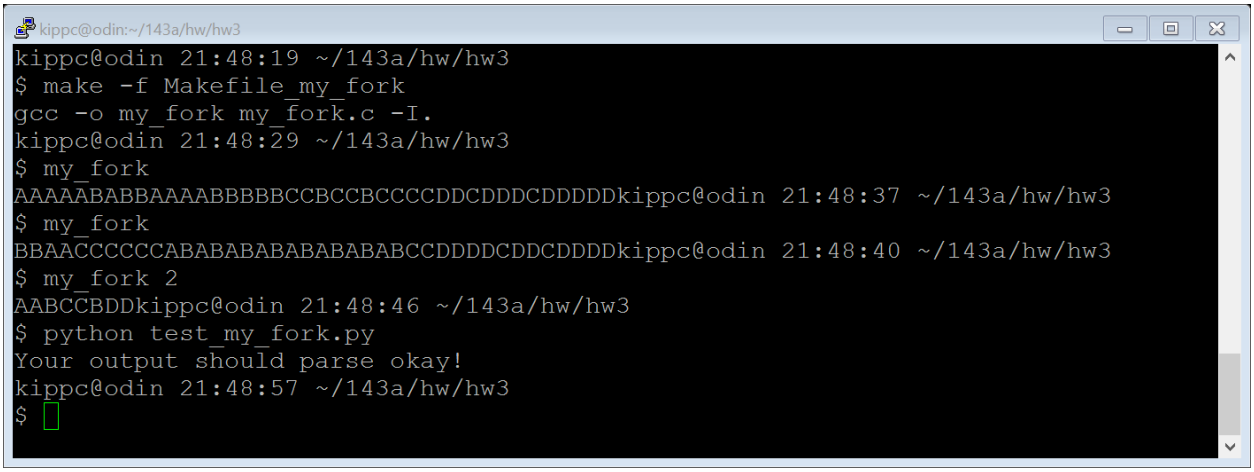
CS 143A

Homework 3

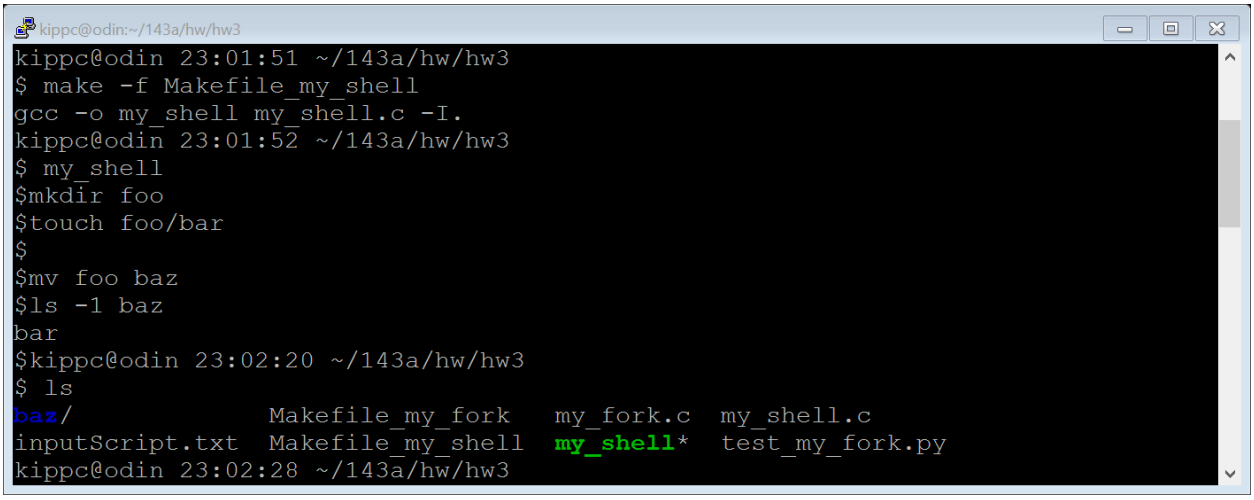
Part 1

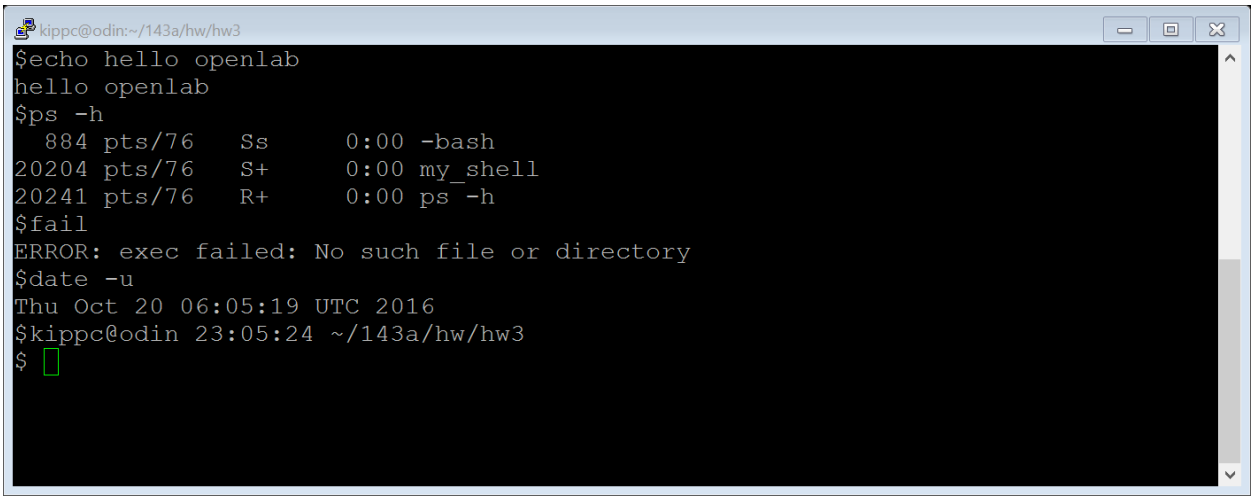
Concurrency can be useful because it allows for many programs to run concurrently like downloading a file, listening to music, or typing in a word document. It is also helpful when writing parallel programs, such as ones that involve 3D graphics rendering. Concurrency can also be useful on single-CPU machines because of thread blocking/waiting.

Part 2



Part 3




kippc@odin:~/143a/hw/hw3
$echo hello openlab
hello openlab
$ps -h
884 pts/76 Ss 0:00 -bash
20204 pts/76 S+ 0:00 my_shell
20241 pts/76 R+ 0:00 ps -h
$fail
ERROR: exec failed: No such file or directory
$date -u
Thu Oct 20 06:05:19 UTC 2016
$kippc@odin 23:05:24 ~/143a/hw/hw3
$