**Assignment 4**

**Due**: 11:55PM Oct. 9, 2023

**Submission**: Complete your submission on Blackboard.

Email submission will NOT be accepted. If you cannot complete the assignment before the deadline due to Covid-19, you must contact the instructor **BEFORE** the deadline. Otherwise, **late submission will NOT be accepted**.

**Total points**: 20 points

1. Write the pseudocode. (5 points)

* By calling fork, the parent process *a* creates two child processes, *b* and *c*.
* The child process *b* calls fork to create its child process *d*



2. Write the pseudocode. (15 points)

* The parent creates 10 child processes through fork.
* The parent sends a unique code to each child through pipe. The codes are stored in an array “int codes[10]”. The first element in the array is send to the first child, the second to the second child and so on.

In your pseudocode, you must (1) clearly define the file descriptors, (2) clearly define the first parameter and the second parameter in read/write. (Hint: remember to call wait in parent to synchronize parent and child).



END