CSC 412 – Operating Systems
Lab Session 07, Fall 2019

Tuesday, October 29th, 2019 and Thursday, October 31st, 2019

What This Lab Is About

This lab could be titled: "C++ vectors/lists meet pipes," because this is what we are going to do.

1   Task 1: Build a vector or list of structs

The handout for this lab reminds you of how to read data from a file. Instead of simply printing out the data, build a list/vector of structs and then iterate through your list/vector to print out the fields of the structs.

2   Task 2: Pipes

The idea is to distribute the task between two processes. So, your program should create 2 child processes and use pipes send to these child processes about half of the data each.

3   Task 3: Return results

The child processes should compute the sum of the x to the power m, and return that value to the parent process via a pipe.