CSC 412 – Operating Systems
Lab Session 06, Spring 2022

Monday, March 21st and Wednesday, March 23rd, 2022

What This Lab Is About

This lab could be titled: "C++ vectors/lists meet pipes."

Handout

We are reusing the same data set as last week, and the code handout is a solution to Lab 05: It reads the data into a vector of structs.

1   Task 1: 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.

2   Task 2: 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.