

CS 4973 - Parallel Programming I

Programming Assignment #1 - 2015.09.16

Goal: To write an MPI program that plays the 'guess my number' game across multiple processes.

Details:

(a) The master node will generate a random number between 1 and N (where N is a run-time argument), and will announce that he has chosen his number.

(b) Each client node will, in sequence, try to guess the number. They will announce their guess, and the master node will respond accordingly.

(c) The process is repeated until a client node correctly guesses the number.

(d) At this point, the master node will announce that the number has been found by the specific client, and no more guesses are needed.

(e) The total number of guesses per node should be kept track of, as well as the total overall number of guesses.