* What problems you encountered completing the assignment and how you overcame them

Understanding what MPI is actually doing and I learned/overcame by seeing the code examples and running them and seeing what they were doing, one by one.

* Any problems you weren't able to overcome or any bugs still left in the program

The only error left is “TypeError: 'NoneType' object is not iterable” but it calculates and counts everything properly.

* About how long it took you to complete the assignment

5 hours

* Performance measurements (given in seconds) for 1, 2, 4, and 8 threads

1. 1.7655

2. 2.0167

4.1.8841

8.2.0219

* A short analysis of why the program behaves as it does with an increasing number of threads

Thread 0 has to communicate to other threads as the threads increment.

* Any observations or comments you had while doing the assignment

Thread 0 is the main thread and it is communicating with all the other threads

* Output from the dumpCPUInfo.sh program

11th Gen Intel(R) Core(TM) i7-1165G7 @ 2.80GHz