**CPSC 4625 Programming Assignment #1 Report**

1. Instructions for compiling the source code (compiler and linker arguments, etc).

First step would be to open the terminal

Next step would be to go into the directory where the code it located

Third Step would be to run the following command:

Lastly we insert the number of entries we would like in the array such as ./prefix 6

1. A brief description of your algorithm. Does the small number of processors available influence the design of your algorithm? Describe any differences with the algorithm you proposed in Assignment 2.

The smaller numbers of processors available does influence the design of the algorithm also effects the running time of the algorithm. This can be illustrated by the result provided.

1. A brief performance report of the algorithm, obtained using Cilkscale (see the Getting Started section). You may consider removing the sequential verification step when you collect the measurements, or you can use the Cilkscale API that allows you to fine-tune the program areas that are measured.