CSCE 313
Lab 6
High Resolution, Fixed-Point, Real-Time Fractal Generation with Four Processors
Due Date: 5/3

Design Requirements
Convert your solution for Lab 5 into fixed-point, eliminating all floating point types and operations. Also, change the resolution to 1024x768.

Project Submission
Each group must submit all files containing their originally-written (non-generated) C source code to Dropbox.

In addition, each group must submit a report that shows results for the following performance metrics for one to four processors and compare each to those of lab 5:

1. average time to generate each frame over at least 4 frames,
2. average number of cycles to compute and paint each pixel over at least one frame,
3. number of cycles to compute one iteration of the polynomial evaluation loop, and
4. number of cycles per fixed point operation performed in the polynomial evaluation loop