Assignment 1: Parallel implementation of histogram equalization and edge detection using MPI.

Problem Definition:
1. Read one input.png file in the master node.
2. Distribute the image among the available nodes.
3. Perform histogram equalization on the whole image.
4. On the histogram equalized image apply Sobel operator.
5. Combine the image in master to store before (histeql.pgm) and after applying Sobel operator (final.pgm)