Image Reduction and Merge with Frame

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The assignment requires us to perform operations such as reducing, merging, and reversing the target image file, and then output it. We also need to display various information about the output image in the program.

When I first saw this assignment, I was completely clueless. So, I referred to the image_reduction_merge file provided by the professor to fill in the missing parts: the operations for reduction and merging. The challenging part for me was the reduction and merging process. However, after consulting with classmates, it became clearer. I also learned a different approach during the process, but since I didn't fully understand it yet, I used this method for now. I will take the time to understand the other approach after class."