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CS 245-01

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Practice Assignment 5

1. The name of the well-known algorithm is Merge Sort.
2. No other well-known algorithms were implemented in this practice assignment.
3. I wrote this program based on Merge Sort. I believe that this was the best algorithm to use, because the numbers that needed to be sorted was very large. At first, I thought about implementing Counting Sort, but the algorithm is best for sorting small amounts of numbers. So, I used Merge Sort. In this program, Merge Sort splits the array with 1,000,000 elements in half and stores them into two arrays. From then, each array is sorted by getting broken down into smaller arrays, combined, then sorted again.