Project 1: CS325 - Closest to Zero
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# READ ME

## Directions for running files:

**Running our algorithm 1 file Alg1TestFile.c with a test file (input.txt):**
make → enter
Alg1TestFile input.txt → enter
vim input_results_Alg1.txt → enter (to see results)


**Running our algorithm 2 file: Alg2TestFile.c with a test file (input.txt):**
make → enter
Alg2TestFile input.txt → enter
vim input_results_Alg2.txt → enter (to see results)


**Running our algorithm 1 file RandArraysAlg1.c  for Random Arrays:**
*note: for running, "n" is the number of elements in the random array you desire
make → enter
RandArraysAlg1 n → enter (*note: Example for running: RandArraysAlg1 100 → enter)
*note: Results appear on console


**Running our algorithm 2 file RandArraysAlg2.c for Random Arrays:**
*note: We tried to mimic the same approach we used for running RandArraysAlg1.c, however we encountered a problem, when we gave the size of the random array on the command line it produced wonky results (we believe because it is not a dynamic array and is on the stack), so we had to run it differently in the end. If you want to change the size of the array for testing, you must go to line 30, where it says "int sizeOfRandArray = 100" and change the number to whatever size (ie 100 → 200), ect.

make → enter
RandArraysAlg2 → enter
*note: Results appear on console