CLASS NAME: CS323 SPRING 2014

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PROJECT NAME: C++ - BUBBLE SORT

DUE DATE: 2/11/2014

SUBMIT DATE:

PROFESSOR: DR T. PHILIPS

Algorithm Steps:

1. Include and declare everything that are needed for the program
2. Open the input file, data.txt
3. Read from the input file and count the number of integers in the file, and store the number in an integer variable, named, dataCount
4. Close the input file
5. Dynamically allocate an integer array, named dataSorted, with the size of dataCount
6. Open the input file, data.txt, again
7. Read from the input file one integer at a time and store the integer in the array dataSorted
8. startIndex = 0,

endIndex = dataCount-1

1. walkerIndex = startIndex
2. if dataSorted[walkerIndex] > dataSorted[walkerIndex + 1]

temp = dataSorted[walkerIndex]

dataSorted[walkerIndex] = dataSorted[waklerIndex + 1]

dataSort[walkerIndex + 1] = temp

1. walkerIndex++
2. repeat step 9 and step 10 until walkerIndex >= endIndex
3. endIndex—
4. repeat Step 8 to Step 12 until endIndex <= startIndex
5. open an output file, be named, bubbleSort
6. write the content of the array, dataSorted, to the file bubbleSort