

LAB EXERCISE

Quadratics

Instructions:

1. Add the code for the 3 quadratic sorting algorithms to the sorting template program found in Sorts.zip. Add the appropriate lines of code to count the number of steps for each algorithm. The student outline has provided an example for the `bubbleSort` function.
2. Test each sorting algorithm for the number of steps to sort 100, 200, 400 and 800 integers.
3. Record your answers below.
4. Recursive mergesort and quicksort will be studied in later lessons.
5. You will turn in this lab sheet after the conclusion of Lesson 25, so **don't lose it!!!**

	100 integers	200 integers	400 integers	800 integers
BubbleSort	_____	_____	_____	_____
SelectionSort	_____	_____	_____	_____
InsertionSort	_____	_____	_____	_____
MergeSort (recursive)	_____	_____	_____	_____
QuickSort	_____	_____	_____	_____