Peter M Piper

The purpose of this program is to obtain hands-on experience in implementing fast sorting algorithms that was covered in the class and in doing the performance study on the basic algorithm and its variations.

Data Structures 2

Sorting Algorithms: QuickSort, MergeSort, and RadixSort

**Reason for Test Case Input Values Expected Output\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

RUN THESE SORTS FOR ALL MergeSort, QuickSort, and Radix Sort

Reverse integer sort 3 2 1 1 2 3

Reverse character sort C B A A B C

String sort The Hunger Games Games Hunger The

Ordered integer sort 1 2 3 1 2 3

Ordered character sort A B C A B C

Mixed case ASCII sort a B 1 1 B a

Large data set 5000 random string 5000 strings sorted

Single data set 1 1

