Test Cases – Project 10

// Each of the runs tests different values for the sorts.

Script started on April 7, 2018 04:01:59 PM CDT

> g++ sort.cpp

> a.out

Enter the number of values to generate and sort, between 1 and 5000: 1

Enter an integer seed value: 1

Print the values?(y/n): n

Insertion sort count: 0

Merge sort count: 0

Quick sort count: 0

> a.out

Enter the number of values to generate and sort, between 1 and 5000: 100

Enter an integer seed value: 2

Print the values?(y/n): n

Insertion sort count: 2427

Merge sort count: 1344

Quick sort count: 749

> a.out

Enter the number of values to generate and sort, between 1 and 5000: 5000

Enter an integer seed value: 5

Print the values?(y/n): n

Insertion sort count: 6178077

Merge sort count: 123616

Quick sort count: 71721

> a.out

Enter the number of values to generate and sort, between 1 and 5000: 10

Enter an integer seed value: 3

Print the values?(y/n): y

What sorting algorithm?(i for insertion sort || m for merge sort || q for quick sort: m

Unsorted:

2748

2108

366

3313

623

797

4174

544

4393

3208

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Sorted:

366

544

623

797

2108

2748

3208

3313

4174

4393

Insertion sort count: 18

Merge sort count: 68

Quick sort count: 28

> exit

exit

script done on April 7, 2018 04:03:15 PM CDT