Your Name:

1. What is one advantage of MergeSort compared to QuickSort, and one advantage of QuickSort?

An advantage of MergeSort compared to QuickSort is that the list will be always divided in half, allowing good performance. On the other hand, an advantage of QuickSort is it does not use extra storage.

1. What sorting algorithm is the default, built-in algorithm used by Python? (Use the Internet to track this down.) Briefly describe how it works.

TimSort is the default built-in algorithm used by Python. It is a combination of Merge and Insertion Sort. It has two attributes. The first one is key, which is iterable. The second one is reverse, which is boolean.

1. What is the most interesting thing you learned as a part of your work for this class this week?

This week’s topics were interesting because I think are useful and I did not know about them. It was good to know there are many kinds of sorting because I thought was only one. Learning about list manipulation was helpful too. I enjoyed it.

4. Describe one specific way that you helped someone else this week, or reached out for help.

This week, in the Team Assignment, I helped my classmates understand the different sorting we can do with lists and how to differentiate them.

1. Are there any topics from this week that you still feel uneasy about, or would like to learn more about?

I am happy I could understand everything well from this week’s readings and assignments.

6. How much time did you spend this week on each of the following:

Reading – 45 min

Checkpoint A – 30 min

Checkpoint B - 15 min

Team Activity – 1 hour

Data Structures Homework – 1 hour

Prove Assignment – 2 hours