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CS241

Ponder week 10

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

**MergeSort is stable and has better worst time complexity. QuickSort is the fastest in practice**

2. 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 an hybrid from merge and insertion sort. The runs are inserted in a stack, then after some matched criteria the top of the stack is merged.**

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

**All the type of sorting algorithms and the efficiency of each one.**

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

**I wasn’t sure about the spaceship movements.**

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

**Learn more about sorting algorithms to become more proficient in the implementation.**

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

Reading - 4

Checkpoint A - 3

Checkpoint B - 3

Team Activity - 2

Data Structures Homework - 3

Prove Assignment - 6

If you have other questions or comments for the instructor, please post them to Slack, either in the general channel if others can benefit, or as a direct message if the matter is more personal.