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**Radix Sort for a Natural Language**

**(Final Project Fall 2021)**

**Task: -**

1. To implement MSD Radix Sort for Chinese language.
2. Implement Tim Sort, Dual-Pivot, Quick Sort, Husky Sort and LSD Radix Sort.
3. Benchmark using all these algorithms for various input size.
4. Compare the benchmarking results.

**Conclusion: -**

According to benchmarking results and below graphs we can conclude that the quickest sorting algorithm are in the following order: -

1. Tim Sort
2. MSD Radix Sort
3. LSD Radix Sort
4. Dual-Pivot
5. Husky Sort
6. MSD Radix Sort exchange

**Output & Graphical Representation: -**