CE100 Algorithms and Programming II

Week-4 (Quicksort)

Spring Semester, 2021-2022

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<iframe width=700, height=500 frameBorder=0 src="../ce100-week-4-quicksort.md_slide.html"></iframe>

Quicksort Sort

Outline

- Quicksort

- Hoare Partitioning

- Lomuto Partitioning

- Recursive Sorting

- Quicksort Analysis

- Randomized Quicksort

- Randomized Selection

- Recursive

- Medians

- Heaps

- Max / Min Heap

- Heap Data Structure

- Heapify

- Iterative

- Recursive

- Extract-Max

- Build Heap

- Heap Sort

- Priority Queues

- Linked Lists

- Radix Sort

- Counting Sort

References

TODO