

# CE100 Algorithms and Programming II

## Week-4 (Quicksort)

Spring Semester, 2021-2022

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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