

CSE212 Final Project Tutorial

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Structure

I choose these three topics below which is related to each other. I will focus on how they are similar and different based on their fields.

1.Welcome

- Intoroduction
- Overall explanation and flow

2.Queue

- Introduction
- Visual and Structure Example to get image
- Process and Performance
- Best Usage
- Enqueue and Dequeue
- Insert and Remove
- Advanced** Circular Queue
- Problems and Solution

3.Linked List

- Introduction
- Visual and Structure Example to get image
- Process and Performance
- Best Usage
- Similar points with Queue and differences
- Next and Prev, Head and Tail
- Insert and Remove
- Problems and Solution

4.Tree

- Introduction
- Visual and Structure Example to get image
- Process and Performance
- Best Usage
- Similar points with Linked List and differences
- Add and Remove
- Contain and Search
- Binary Search
- Advanced** Huffman Tree
- Problems and Solution