

## Unit 6: Stacks & Queues

### Outline:

- Introduction to Stacks
- Array Implementation of Stacks
- Linked list Implementation of Stacks
- Introduction to Queues
- Array Implementation of Queues
  - using a circular array
- Linked list Implementation of Queues

### References:

- Gaddis: Sections 18.1-2, 18.4-5.

### Practice Problems:

- Gaddis, Chapter 18, Programming Challenges:
  - 6 Dynamic String Stack. Do a Dynamic String Queue as well. Use a linked list.
  - 9 File Reverser
  - 10 File Filter
  - 14 Balanced Parentheses ()