Chapter 7: Arrays

Basics

- Declaring arrays
- Data types
- Accessing elements in arrays
- Initializing arrays
- Show memory for arrays and pointers
- Loops and accessing array elements
- Loops and printing arrays

Intermediate

- Arrays as references
- Array pointers
- Passing arrays to functions
  - Elements and arrays
- Aggregate functions
  - Sum, avg, min & max
- Multi-dimension arrays
  - Accessing elements
  - Nested loops
- Parallel arrays and enum

Advanced

- Searching
  - Sequential search
  - Binary search
- Sorting
- Complexity
- Stacks and queues
- Common Errors
  - Subscript range
  - Confusing pointers and arrays
  - Using & on array instead of element
  - Enum identifiers (only once and limited to)