

18-0: Arrays

- Array Advantages
 - Elements are stored in sequential memory locations
 - Fast lookup of element by index
- Array Disadvantages
 - Difficult to resize the array
 - Adding elements to the middle is expensive

18-1: Linked Lists

- Linked List Advantages
 - Easy to resize a linked list
 - Adding elements to the middle easy
- Linked List Disadvantages
 - Elements are *not* stored in sequential memory locations
 - Finding the n th element in the list is slower

18-2: Linked List Node

What does memory look like when we do this:

18-10: Linked Lists

- Our linked list class needs to keep track of the *head* of the list
- All other elements are reachable from the head
 - Follow the next pointers

18-11: Linked Lists