Implementing Iterators Design Considerations

- Possible approaches
 - Define iterator functionality as ADT operations (write member methods for hasNext(), next(), and remove())
 - Implement the iterator methods within their own class
 - Subclass (array or linked implementation)
 - Independent class (possibly less efficient)

Iterator Member Methods

- Disadvantages to having methods hasNext() and next() in the ADT
 - Only one iterators at a time
 - Interface bloat

Iterator Implementation Approaches

- 1) separate class iterator (independent of implementation)
- 2) inner class iterator for linked chain implementation
- 3) inner class iterator for array implementation

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