Abstract Data Types: Lists 2

A List interface and its implementation: Linked List
List Implementation: Linked Lists

• Arrays
  – Fast lookup of any element
  – A little messy to grow and contract
• Linked list
  – Logical fit to a list, easy to grow, contract
  – Need to traverse list to find arbitrary element

```
public class LinkedList<T> {
    private class LLNode<T> {
        T value;
        LLNode<T> next;
    }
    LLNode<T> start;
    LLNode<T> end;
}
```
Linked List Reversal

Abstract Data Types: Lists
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Linked List Reversal

Pointer reversal