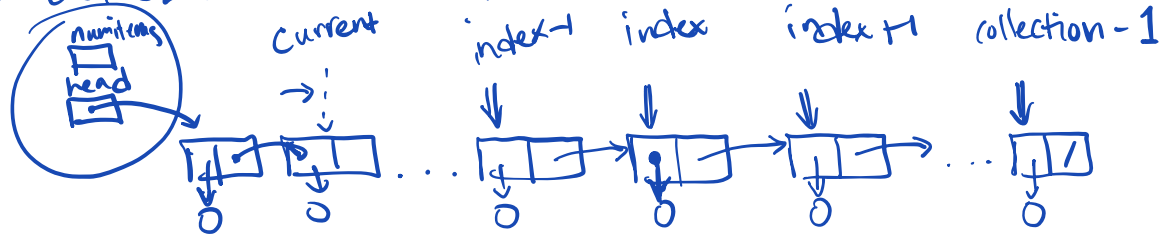


## List ADT implementation using simply linked structure (SLS)

0. List SLS



public Object get(int index)  $\Rightarrow$  reference  
 $\Rightarrow$  int  
 private Node find(int index)



void add(int index, Object item)

Object remove(int index)

Design Code for general use

- Make change to linked structure
- update d.f. - numItems  
- head

Node prev = find(index-1);

Node temp = new Node(item, prev.getNext());

prev.setNext(temp);