Stack<ElmtType> Class

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Selected methods:
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Queue<ElmtType> Interface

Selected methods:

[More other side]

Reminder of some LinkedList and ListIterator operations by example:

```
LinkedList<Integer> list = new LinkedList<Integer>();
                      // create empty linked list that can hold ints
list.add(3);
                      // add a value to the end of the linked list
                     // does the same thing as add
list.addLast(17);
int num = list.getLast();
                                // returns last element in the list
                                 // PRE: !isEmpty()
int num = list.removeLast();
                   // removes last element in the list and returns it
                    // PRE: !isEmpty();
// Note: addFirst, getFirst, removeFirst: like the "Last" versions,
                                   but at the beginning of the list
int num = list.get(i);  // gets the element at position i.
                         // (elements are numbered as in an array)
int howMany = list.size());
                               // number of elements in list
boolean empty = list.isEmpty(); // true iff list has no elements
ListIterator<Integer> iter = list.listIterator();
          // return list iterator positioned before the first element
boolean done = iter.hasNext();
              // returns true iff iterator is not after last element
int num = iter.next();
                            // returns element after iter position
                             // and advances iter past the element
                             // PRE: hasNext()
iter.remove();
         // removes element returned by last call to next or previous.
          // this call can only be made once per call to next or previous.
                         // adds element before the iterator position
iter.add(32);
iter.set(44);
                      // replaces the last element returned by a call
                      // to next or previous with the value given
ListIterator<Integer> iter2 = list.listIterator(list.size());
            // return list iterator positioned after the last element
boolean done = iter2.hasPrevious();
                  // returns true if iter is not before first element
int num = iter2.previous(); // returns element before iter2 position
            // and iter2 moves to position before the element returned
            // (in this ex previous() returns last element in the list)
                           // PRE: hasPrevious()
ListIterator<Integer> iter3 = list.listIterator(k);
            // return list iterator positioned before element k.
           // So, an initial call to next() returns element k;
            // an initial call to previous() instead returns element k-1
           // (elements are numbered as in an array)
```

Note: Illegal to use LinkedList mutators on a list you are iterating over.

[More other side]