

	Array	Linked
Peek	<pre>return stack [top-1];</pre> <p><math>O(1)</math></p>	<pre>singlyLinkedListNode&lt;T&gt; node=top; return node.getElement();</pre> <p><math>O(1)</math></p>
Push	<pre>if (top == stack.length)     expandCapacity(); stack[top] = element; top++;</pre> <p><math>O(1)</math></p>	<pre>singlyLinkedListNode&lt;T&gt; temp = new singlyLinkedListNode&lt;T&gt;(element); temp.setNext(top); count++; top = temp;</pre> <p><math>O(1)</math></p>
Pop	<pre>if (isEmpty()) {     throw new EmptyCollectionException(); } element = stack[ top-1]; stack[top-1] = null; top--; return element;</pre> <p><math>O(1)</math></p>	<pre>if (this.isEmpty())     throw new EmptyCollectionException(); singlyLinkedListNode&lt;T&gt; node = top; top = top.getNext(); count--; node.setNext(null); return node.getElement();</pre> <p><math>O(1)</math></p>
Size	<pre>return top;</pre> <p><math>O(1)</math></p>	<pre>return count;</pre> <p><math>O(1)</math></p>