**Don’t forget to search for TREE traversal** : pre-order, in-order, post-order

**Implement stack (the array based stack / the linked stack) given the following specification:**

*The array based stack class should contain only the following ( max – top – the array itself)*

*The linked stack class should contain only the following ( top )*

both classes should contain the following methods :

* 1. push(object): inserts an element
  2. object pop(): removes and returns the last inserted element
  3. object top(): returns the last inserted element without removing it (data)
  4. integer size(): returns the number of elements stored
  5. boolean isEmpty(): indicates whether no elements are stored
  6. boolean isFull(): indicates whether the stack full or ont
  7. void display():display stack content .

*for eyasy implementation assume the data type in the stack is* ***integer***

* Write a static method **replace** (user of ADT LinkedStack) that takes as input a stack **st** and two elements **e1** and **e2**. The method replaces **all** the occurrences of the element e1 in st with e2.

**public static void replace(LinkedStack st, int e1, int e2){}**