LAB 02

Question 1

Implement the following method using array and linked list on asking user to push and pop the integers and get the size of the stack.

push(e):   Adds element e to the top of the stack.
pop():   Removes and returns the top element from the stack(or null if the stack is empty).
top():   Returns the top element of the stack, without removing it (or null if the stack is empty).
size():   Returns the number of elements in the stack.
isEmpty():   Returns a boolean indicating whether the stack is e

Question 2

Implement the following method using array and Linked List on asking the user to enqueue and dequeue the integers and to display the elements in the Queue.
enqueue(e): Add element e to the back of the Queue Q.
dequeue(): Remove and return the first element from queue Q.
first(): Return a reference to the front of the queue Q, without removing it; an error occurs if the queue is empty
is_empty(): Returns true if queue Q does not contain any elements.
len(Q): Return the number of elements in queue Q;