```
public class Stacky<E> {
  private Node top;//mientras no se les asigne un valor estan en null
  private int size;
  public Stacky() {
     size = 0;
  /**
   * this class keeps track of each element information
   * @author java2novice
  private class Node {
     E element;
   Node next;//estos nodos valen null
     public Node(E element) {
       this.element = element;
       this.next = null;
   * returns the size of the linked list
   * @return
  */
  public int size() { return size; }
  /**
   * return whether the list is empty or not
   * @return
  */
  public boolean isEmpty() { return size == 0; }
  /**
   * adds element at the starting of the linked list
   * @param element
  public void push(E element) {
       System.out.println("Añadiendo nodo *************");
     Node tmp = new Node(element);
     System.out.printf("TEMP: %s, %s\n", tmp.element, tmp);
     System.out.printf("TOP ANTES: %s\n", top);
     if(top == null) {
       top=tmp;
     }else {
       Node n = top;
       top= tmp;
       top.next = n;
```

```
System.out.printf("TOP DESUES: %s\n", top);
  size++;
  System.out.println("adding: " + element);
/**
* this method walks forward through the linked list
public void iterateForward(){
  System.out.println("iterating forward..");
  Node tmp = top;
  while(tmp != null){
     System.out.println(tmp.element);
     tmp = tmp.next;
/**
* this method removes element from the start of the linked list
* @return
*/
public E pop(E element) {
  if (size == 0) throw new NoSuchElementException();
  Node tmp = top;
  top = top.next;
  size--;
  System.out.println("POP********);
  return tmp.element;
public static void main(String a[]){
  Stacky<Integer> dll = new Stacky<Integer>();
  dll.push(10);
  dll.push(34);
  dll.push(56);
  dll.iterateForward();
  dll.pop(34);
  dll.iterateForward();
```

