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package data\_structures;

import java.util.Iterator;

public class Stack<E> implements Iterable<E> {

private LinearListADT<E> list;

public Stack() {

list=new LinearList<E>();

}

public void push(E obj) {

list.addFirst(obj);

}

public E pop() {

return list.removeFirst();

}

public int size() {

return list.size();

}

public boolean isEmpty() {

return list.isEmpty();

}

public E peek() {

return list.get(1);

}

public boolean contains(E obj) {

return list.contains(obj);

}

public void makeEmpty() {

list.clear();

}

public Iterator<E> iterator() {

return list.iterator();

}

}