

```
package stackusinglinkedlist;

import java.util.*;

class LinkedStack {

    private LinkedList linklist = new LinkedList<>();

    public void push(int item) {
        linklist.addFirst(item);
    }

    int pop() {
        return (int) linklist.removeFirst();
    }

    public void printlist() {
        System.out.println(linklist);
    }

}

public class StackUsingLinkedList {

    public static void main(String[] args) {
        LinkedStack l1 = new LinkedStack();
        l1.push(10);
        l1.push(20);
        l1.push(30);
        l1.printlist();
        System.out.println(l1.pop());
        l1.printlist();
    }

}
```