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/**
 * TITLE: IntStack.java
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 *
 * Implements the standard ADT IntStack.
 */
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public class IntStack
{
    StackItem stack ;

    public class StackItem
    {
        int entry ;
        StackItem next ;

        public StackItem(int e, StackItem n)
        {
            entry = e ;
            next = n ;
        } // StackItem
    } // StackItem

    public IntStack ()
    {
        stack = null ;
    } // IntStack

    public void push(int e)
    {
        stack = new StackItem(e, stack) ;
    } // push

    public void pop()
```

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    {
        stack = stack.next;
    } // pop

    public int top ()
    {
        return stack.entry;
    } // top

    public boolean isEmpty ()
    {
        return stack == null;
    } // isEmpty

    public void printStack (StackItem p)
    {
        if (p != null)
        {
            printStack (p.next);
            System.out.print ("⌊" + p.entry);
        }
    } // printStack

    public void printStack ()
    {
        StackItem p;

        System.out.print ("Stack :⌊");
        printStack (stack);
        System.out.print ("\n");

    } // printStack

} // IntStack

```