链式栈

链式栈 LStack 的类定义和实现

```
template< class T >
class LStack{
    private:
        SLNode <T>* top; // 栈顶指针
    public:
       LStack() \{ top = NULL; \}
                                        // 构造函数
       ~LStack() { clear(); } // 析构函数
       // 清空栈
       void clear ( ) {
         SLNode <T> *temp;
         while (! IsEmpty ()) { temp = top\rightarrownext; delete top; top = temp; }
       // 向栈顶压入一个元素
       bool Push (const T& item) { top = new SLNode <T> (item, top); return true; }
       // 从栈顶弹出一个元素
       bool Pop (T & item){
         if ( IsEmpty ( ) ) { cout<<"Poping from an empty stack!"<<endl; return false; }
         item = top\rightarrowdata;
         SLNode < T > * temp = top;
         top = top \rightarrow next;
         delete temp; return true;
       // 读取栈顶元素
       bool Peek ( T & item ) const {
         if ( IsEmpty ( ) ) { cout<<"Peeking from an empty stack!"<<endl; return false; }
         item = top→data; return true;
       int IsEmpty (void) const { return top = = NULL; } // 检测栈是否为空
};
```