

```
1  #include "stack.h"
2
3  int g_iTop = -1;
4  int g_Stack[STACK_MAX];
5
6  void Push(long lSymbol)
7  {
8      if(IsFull())
9      {
10         printf("Stack overflow\n");
11         return;
12     }
13
14     g_Stack[++g_iTop] = lSymbol;
15 }
16
17 long Pop(void)
18 {
19     if(IsEmpty())
20         return -1;
21
22     return g_Stack[g_iTop--];
23 }
24
25 int IsFull(void)
26 {
27     if(g_iTop == STACK_MAX - 1)
28         return 1;
29     return 0;
30 }
31
32 int IsEmpty(void)
33 {
34     if(g_iTop == -1)
35         return 1;
36     return 0;
37 }
38
39
```