```
/* The following code example is taken from the book
 * "The C++ Standard Library - A Tutorial and Reference, 2nd Edition"
 * by Nicolai M. Josuttis, Addison-Wesley, 2012
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 */
#include <iostream>
#include <exception>
#include "Stack.hpp"
                             // use special stack class
using namespace std;
int main()
   try {
       Stack (int) st;
       // push three elements into the stack
       st.push(1);
       st.push(2);
       st. push(3);
       // pop and print two elements from the stack
      cout << st.pop() << ', ';
cout << st.pop() << ', ';</pre>
       // modify top element
       st. top() = 77;
       // push two new elements
       st.push(4);
       st.push(5);
       // pop one element without processing it
       st.pop();
       // pop and print three elements
       // - ERROR: one element too many
      cout << st.pop() << ' ';
cout << st.pop() << endl;
       cout \ll st.pop() \ll end1;
   catch (const exception& e) {
      cerr << "EXCEPTION: " << e.what() << endl;
}
```