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/* The following code example is taken from the book
 * "The C++ Standard Library - A Tutorial and Reference"
 * by Nicolai M. Josuttis, Addison-Wesley, 1999
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 * warranty, and with no claim as to its suitability for any purpose.
#include <iostream>
#include <list>
#include <algorithm>
#include "print.hpp"
using namespace std;
int main()
    list(int) coll;
    // create front inserter for coll
    // - inconvenient way
    front insert iterator (list (int) > iter(coll);
    // insert elements with the usual iterator interface
    *iter = 1:
    iter++;
    *iter = 2;
    iter++;
    *iter = 3;
    PRINT ELEMENTS (col1);
    /\!/ create front inserter and insert elements /\!/ - convenient way
    front_inserter(col1) = 44;
    front inserter(col1) = 55;
    PRINT ELEMENTS (coll);
    // use front inserter to insert all elements again
    PRINT ELEMENTS (col1);
```